Ref.No. : 4862

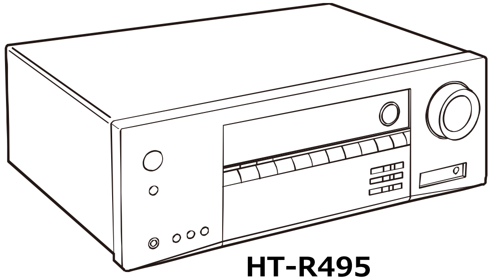
AV Receiver

Service Manual

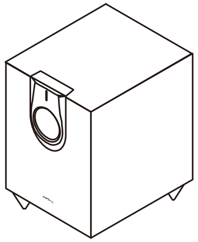
HT-R495

Final Issue

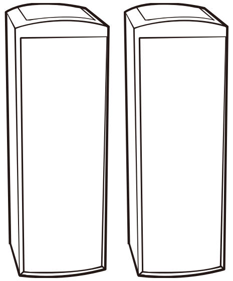
HT-S5910(B) = **HT-R495**(B) + HTP-596(B)(SKF-596(B)+SKC-594(B)+SKR-594(B)+SKW-593(B))
HT-S5915(B) = **HT-R495**(B) + HTP-598(K)(SKF-596(K)+SKC-594(K)+SKR-594(K)+SKW-658(B))



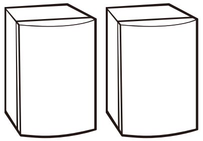
HT-R495



SKW-593
(For HT-S5910)



SKF-596



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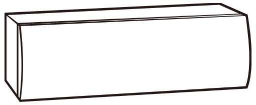
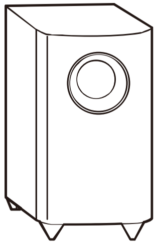


SKC-594



SKW-658
(For HT-S5915)

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	**Color**	**Type**	**Power Requirement**	**Remarks**
HT-R495	(B) – Black	MDC	AC 120 V	Canada/USA
HT-R495	(B) – Black	MMP	AC 220 V to 240 V	Europe
HT-R495	(B) – Black	MMB	AC 220 V to 240 V	UK
HT-R495	(B) – Black	MMT	AC 220 V to 240 V	Thailand
HT-R495	(B) – Black	MMA	AC 220 V to 240 V	Australia/New Zealand

!

For details, refer to "Important Check Points for good servicing".

ONKYO®

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Important Check Points for Good Servicing

In this manual, procedures that must be performed during repairs are marked with the below symbol.
Please be sure to confirm and follow these procedures.

1. Product safety

Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

1 Use specified parts for repair.
Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.
Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

3 Make sure the soldering of repaired locations is properly performed.
When you solder while repairing, please be sure that there are no cold solder and other debris.
Soldering should be finished with the proper quantity.

4 Make sure the screws are tightly fastened.
Please be sure that all screws are fastened, and that there are no loose screws.

5 Make sure each connectors are correctly inserted.
Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.
Please replace the wiring and cables to the original state after repairs.
In addition, be sure that there are no pinched wires, etc.

7 Make sure screws and soldering scraps do not remain inside the product.
Please check that neither solder debris nor screws remain inside the product.

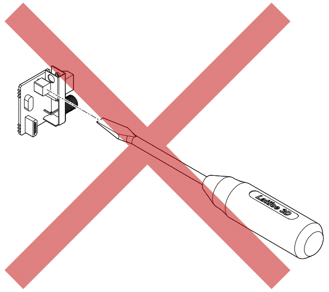
8 There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.
Damaged power cords may lead to fire accidents, so please be sure that there are no damages.
If you find a damaged power cord, please exchange it with a suitable one.

9 There should be no spark traces or similar marks on the power plug.
When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage.
Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.
When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.
Please pay attention to your surroundings and repair safely.

2. Adjustments

To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.
Adjustments should be performed in accordance with the procedures/instructions described in this manual.
Also, No Adjustments should be performed in accordance without the procedures/instructions described in this manual, such as the tuner pack.



3. Lubricants, Glues, and Replacement parts

Use grease and adhesives that are equal to the specified substance.
Make sure the proper amount is applied.

4. Cleaning

For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

Service Notes

1. Safety-related component warning!!

Components identified by mark ⚠ on the schematic diagram and by mark “!” in the parts list are critical for risk of fire and electrical shock. Replace these components with ONKYO parts whose part numbers appear as shown in this manual.

2. Safety check after servicing

(1) To ensure safety, check that the covered insulating sheet or tube are removed, all parts and wires which are removed or disconnected while servicing have been put back to their original positions after servicing.

(2) To insure structural integrity, check that all the screws or mechanical parts have been put back in their original positions after servicing.

(3) Check that in the process of servicing or replacing parts that the surrounding area has not been contaminated or adversely affected.

(4) After servicing an insulation check on the external metal connectors and between the blades of the power plug must be performed.

Method of checking insulation resistance

Unplug the power cord and short the both ends of the plug with a jumper wire.

Using a 500V insulation resistance tester, check that the insulation resistance value between the plug of the power cord and externally exposed metal parts is 1MΩ or greater.

※The mechanical power switch should be turned on if it is available.

3. Caution on replacing the battery

Danger of explosion if rechargeable batteries is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. When disposing of used batteries, please comply with governmental regulations or environmental public institution’s rules that apply in your country / area.

4. Other Cautions

- When AC plug is non-polarized and if Main or Primary fuse enters in the Neutral line of AC Mains supply or if there is possibility of Main or Primary Fuse entering in the Neutral line of AC Mains supply, then AC Mains supply must be disconnected to de-energize the circuit.
- Be sure to use only lead free solder.
- When soldering, please be careful not to use too much solder and affect adjacent components.
- When you repair the CD Player, Please do not stare into the beam in Optical Instruments and do not view directly since there is visible and invisible laser radiation when open the unit.

❗

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

File Name of Parts List File (EXCEL File)

Note for Parts List

When parts list is EXCEL file, please refer to the following explanation about file name.

PL_TX-SR343(B)MJJ.xlsx

Model No.: TX-SR343

Color: (B)

Destination: J (second)
Look at the rear panel serial number 6 digit.
○ ○ ○ ○ ○ J ○ ○ ○ ○ ○ ○ ○ ○ ○ ○

Voltage: J (first)
Look at the rear panel serial number 5 digit.
○ ○ ○ ○ J ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○

Color

(X) Not related to color

(B)	Black	(M)	Wood
(BR)	Brown	(O)	Orange
(C)	Cream	(P)	Pink
(G)	Gold	(R)	Red
(GR)	Green	(S)	Silver
(H)	Gray	(T)	Titan
(K)	Black	(V)	Violet
(L)	Blue	(W)	White
(LB)	Light Blue	(Y)	Yellow

Voltage

D	AC 120 V
G	AC 220 V to 230 V
H	AC 220 V to 230 V / 240 V
J	AC 100 V
L	AC 100 V to 120 V
M	AC 220 V to 240 V
P	AC 230 V
U	AC 100 V to 240 V
V	AC 110 V to 240 V
W	AC 120 V / 220 V to 240 V
Z	※1

Speaker System (without AMP.) :

0	Passive Subwoofer
F	Front Speaker
C	Center Speaker
R	Rear Speaker
B	Back Speaker

Destination

A	Australia
B	United Kingdom
C	North America
D	USA
F	Taiwan
J	Japan
K	Korea
L	Russia
P	Europe
Q	Hong Kong
R	China
S	Brazil
T	Thai
U	Worldwide

Speaker System (without AMP.) :

L	Left channel
R	Right channel
0	Center channel

※1 There is a charge function and a power supply (adapter) is needed, but an adapter isn't bundled.

Reset

【STORE】

[SETUP] + [ENTER] x 2

【RESET】

1. [CBL/SAT] + [ON/STANDBY]
2. Unplug the power cord from AVR after the disappeared "Clear“ of FL tube and AVR goes standby.

【RECALL】

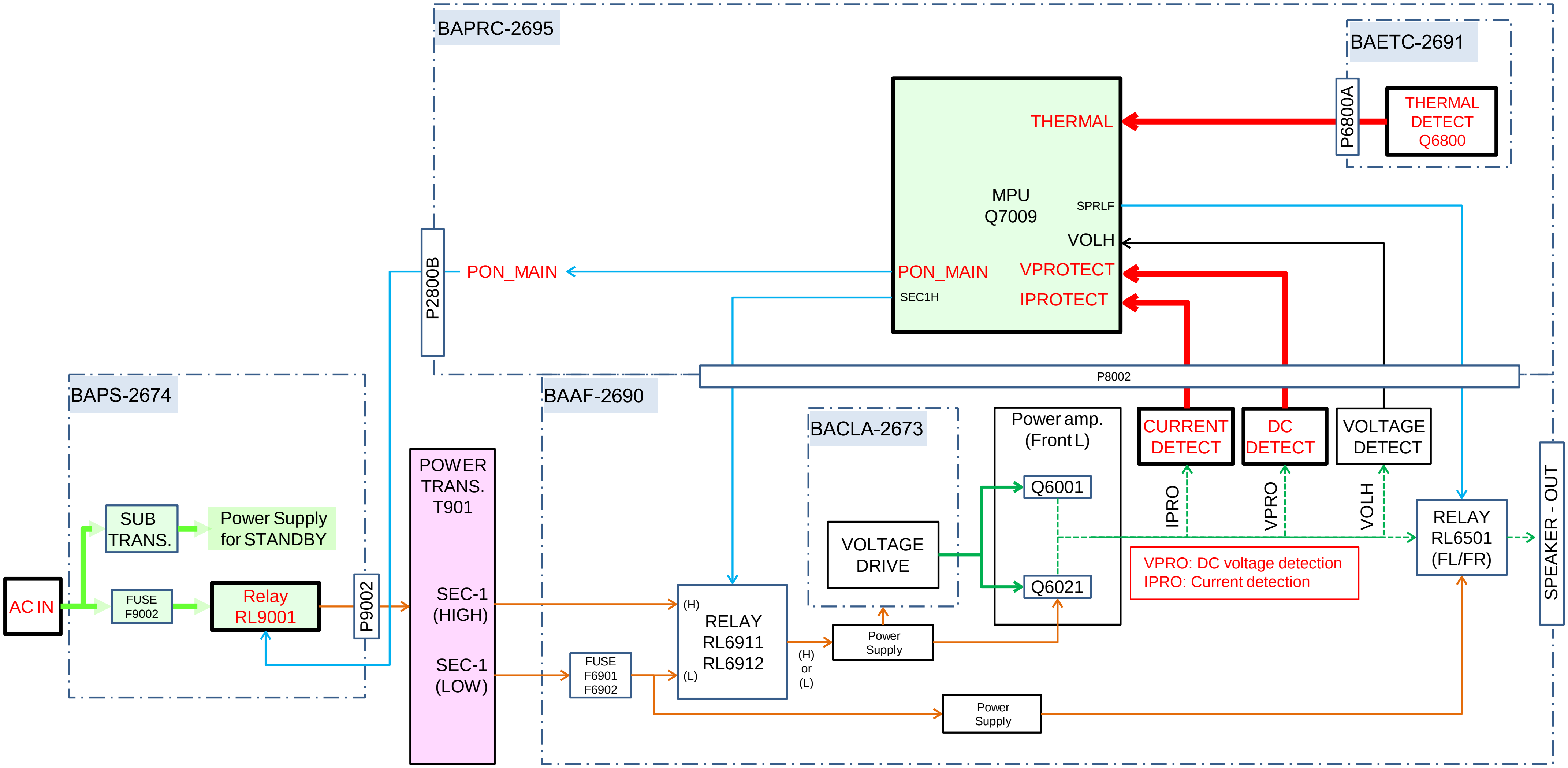
[SETUP] + [RETURN] x 2

Detail Key Operation is here.

Protect Mode

Diagnostic Function

The unit goes into standby automatically when detect the abnormal condition of thermal detection, DC voltage detection or current detection. (e.g. TX-SR393 block diagram below)



VPRO: DC voltage detection
IPRO: Current detection

Self-diagnostics

Diagnostic Function

This function is for avoiding the rupture of electrolytic capacitors with amplifier circuit failure during power-ON.

Operation of Self-diagnostic

Self-diagnostic will start at the timing of next power on, after goes to the protect mode by Current detection or DC voltage detection.

Only On/Standby key could work in this mode. Also remote control does not work. However, the CLEAR operation is enabled.

During Self-diagnostic, the power supply for amplifier circuit become low voltage state(SEC1-LOW), and the speaker relay will be turned off. Then, MPU will check each amplifier circuits Internally by entering the test signal (20 kHz,-20 dBFS sine wave) to each channel from DSP.

MPU will judge the amplifier circuit is good or not from VOLH value. The normal range of VOLH value is 0.04 V < VOLH < 0.20 V.

If VOLH value is in the out of this range, it will be judged as NG (No good).

No problem found

When protected by current detection, and no problem found, "CHECK SP WIRE“ will be displayed.

In this State, Only the On/Standby key is effective. And if do not anything for 3 minutes, unit goes into standby automatically.

When protected by a DC voltage detection, and no problem found, unit goes into normal operation.

Problem found

When judged as there is a problem on any channel, the information of channel that has a problem will be displayed as in the right figure.

In this State, Only the On/Standby key is effective. Also remote control does not work. If do not anything for 3 minutes, unit goes into standby automatically. This state will keep also after unit turn on/off, or AC unplugged.

the power supply for amplifier circuit become low voltage state(SEC1-LOW), and the speaker relay will be turned off.

Display of during Self-diagnostics

2 Line FL tube type

A	M	P		D	i	a	g		M	o	d	e	

1 Line FL tube type

A	M	P		D	i	a	g		M	o	d	e	

“Mode” This part display the channel which is currently checked. (E.g. "[FL]",etc.)

Display of when problem found

2 Line FL tube type

N	G		C	H	:								
			L	C	R	S	L	S	R	B	L	B	R

1 Line FL tube type

N	G	:	L	C	R	S	L	S	R	B	L	B	R

L	➘ Front L channel	S L	➘ Surround L channel
C	➘ Center channel	S R	➘ Surround R channel
R	➘ Front R channel	B L	➘ Surround back L channel
		B R	➘ Surround back R channel

Repair Process and How to Confirm

Diagnostic Function

Confirmation of the protect cause

While NG channel is displayed, You can confirm the protect cause by following the step below.

1. Press the Enter button
2. The protect cause are displayed for 5 seconds.

Please check the around of those amplifier circuit and repair it.

Clear of NG CH information

After repair, you can clear NG CH information by following the steps below.

1. Press the On/Standby key while pressing the Enter key.
2. Display as in the right figure appears.
3. Unit goes into Standby automatically after 5 seconds.

Self-diagnostic will start again at the timing of next power on. By this, You can verify whether repair was properly or not.

If problem found after repair, please re-check the around of its circuit.

Cancel of Self-diagnostic

You can cancel this mode by clear operation (press Standby key while pressing CBL/SAT key).

After cancel this mode, receiver will be started as normal operation.

Manual Execution of Self-diagnostic

1. [DIMMER] + [ON/STANDBY] x 2
   Main Firmware Version will appear on the main unit's display.
2. [SETUP] or [HOME]
   Service Menu will appear on the main unit's display
3. Setup & select channel for self-diagnostic by enter service mode to "AMPChDiag" Display as in the right figure appears. Select channel by cursor Left & Right.
4. [STANDBY/ON]
   Unit will go into standby.
5. [STANDBY/ON]
   Unit will turn on. Then self-diagnostic will start automatically

Protected by current detection

D	E	T	.	P	R	O	T	E	C	T		:	I

Protected by DC Voltage detection

D	E	T	.	P	R	O	T	E	C	T		:	V

Clear of NG CH information

N	G		C	H		C	L	E	A	R			

Manual Execution of Self-diagnostic

A	m	p	C	h	D	i	a	g		:	O	f	f

Enter Service mode, Service Information

Diagnostic Function

How to enter to service mode.

Step1 :
[DIMMER] + [ON/STANDBY] x 2

M1.xx / xxxxxAEx

The version of main microprocessor. (displayed only for 3 seconds)

Step2 :
[SETUP] or [HOME]

1. Service

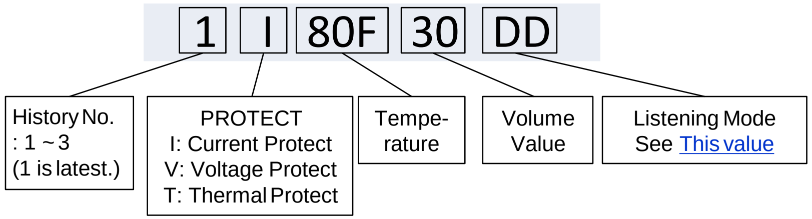
Step3:
Follow this Tree operation for each service mode.

Displaying Service information

This service information display system is helpful in analyze the status when the unit goes into Protect mode and is powered off. Pay attention that the status will change if a button is pushed.

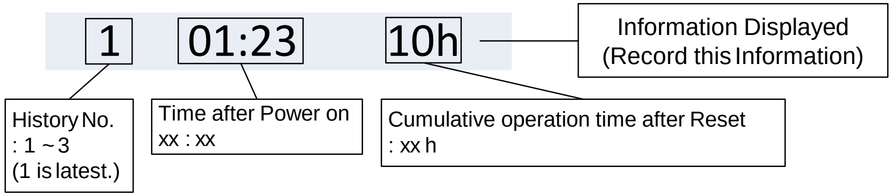
Follow this Tree for "ProtectData" section at the "1-1 Tech Sprt"

Step1 :
When the [ENTER] button is pressed, It will show error history



1 I 80F 30 DD
History No. : 1 ~ 3 (1 is latest.)
PROTECT I: Current Protect V: Voltage Protect T: Thermal Protect
Tempe-rature
Volume Value
Listening Mode See This value

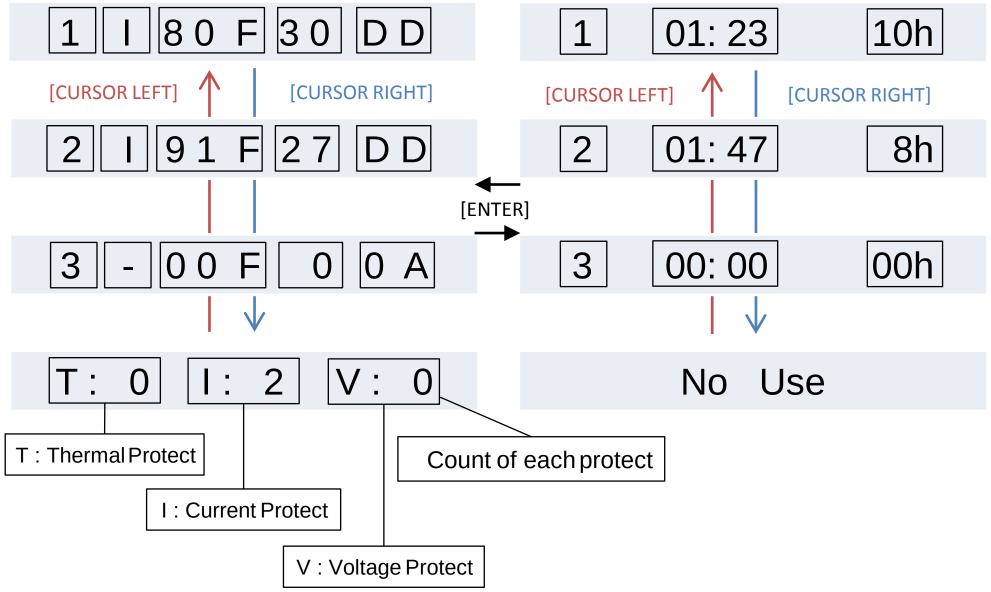
Step2:
When the [ENTER] button during display error history,
the additional information of error history will be appeared.



1 01:23 10h
Information Displayed (Record this Information)
History No. : 1 ~ 3 (1 is latest.)
Time after Power on xx : xx
Cumulative operation time after Reset : xx h

How to change History No. 1 ~ 3.

[CURSOR LEFT] or [CURSOR RIGHT]



How to exit the service mode.

Please press the [*ANY INPUT SELECTOR*]

Normal display

How to clear Protect Data

Step1:
Select "ProtectDataCLR" from this tree

Protect Data CLR ⇄ Clear:[ENTER]

Step2:
Press [ENTER] button
After display "DATA Cleared!", It will be data reset and go to normal mode.

DataCleared!

Diagnostic Function

Listening Mode Code List

00	NORMAL_LMD_BEGIN
01	LAST
02	PURE
03	DIRECT
04	STEREO
05	MONO
06	ORCHESTRA
07	UNPLUGGED
08	STUDIOMIX
09	TVLOGIC
0A	ALLCHST
0B	FULLMONO
0C	TD
0D	RPG
0E	ACTION
0F	ROCKBAND
10	SPORTS
11	WHOLEHOUSE
12	RPG_GENRE
13	ACTION_GENRE
14	ROCKBAND_GENRE
15	SPORTS_GENRE
12	NORMAL_LMD_END

20	SURR_LMD_BEGIN
21	SURR_20_PLII_MOVIE
22	SURR_20_PLII_MUSIC
23	SURR_20_PLII_GAME
24	SURR_20_PLIIX_MOVIE
25	SURR_20_PLIIX_MUSIC
26	SURR_20_PLIIX_GAME
27	SURR_20_PLIIZ
28	SURR_20_NEO6_MOVIE
29	SURR_20_NEO6_MUSIC
2A	SURR_20_NEURAL_MUSIC
2B	SURR_20_NEURAL_CINEMA
2C	SURR_51_OFF
2D	SURR_51_MTR
2E	SURR_51_DSC
2F	SURR_51_NEO6
30	SURR_51_EX
31	SURR_51_PLIIX_MOVIE
32	SURR_51_PLIIX_MUSIC
33	SURR_51_PLIIZ
34	SURR_51_NEURAL_CINEMA
35	SURR_20_NEOX_CINEMA
36	SURR_20_NEOX_MUSIC
37	SURR_20_NEOX_GAME
38	SURR_51_NEOX_CINEMA
39	SURR_51_NEOX_MUSIC
40	SURR_51_NEOX_GAME
41	SURR_20_DOLBY_SURR
42	SURR_51_DOLBY_SURR
43	SURR_LMD_END

48	DTSSS_LMD_BEGIN
49	DTSSS_20_NEO6_MUSIC
4A	DTSSS_20_NEO6_CINEMA
4B	DTSSS_51
4C	DTSSS_LMD_END

50	THX_MUSIC_LMD_BEGIN
51	THX_20_PLII_MUSIC
52	THX_20_PLIIX_MUSIC
53	THX_20_PLIIZ_MUSIC
54	THX_20_NEO6_MUSIC
55	THX_20_NEURAL_MUSIC
56	THX_51_OFF_MUSIC
57	THX_51_MTR_MUSIC
58	THX_51_DSC_MUSIC
5A	THX_51_PLIIX_MUSIC
5B	THX_51_PLIIZ_MUSIC
5C	THX_51_NEO6_MUSIC
5D	THX_51_NEURAL_MUSIC
5E	THX_20_NEOX_MUSIC
5F	THX_51_NEOX_MUSIC
60	THX_20_DOLBY_SURR_MUSIC
61	THX_51_DOLBY_SURR_MUSIC
62	THX_MUSIC_LMD_END

70	THX_GAME_LMD_BEGIN
71	THX_20_PLII_GAME
72	THX_20_PLIIX_GAME
73	THX_20_PLIIZ_GAME
74	THX_20_NEURAL_GAMES
75	THX_51_OFF_GAMES
76	THX_51_MTR_GAMES
77	THX_51_DSC_GAMES
78	THX_51_PLIIX_GAME
79	THX_51_PLIIZ_GAMES
7A	THX_51_NEO6_GAMES
7B	THX_51_NEURAL_GAMES
7C	THX_20_NEOX_GAMES
7D	THX_51_NEOX_GAMES
7E	THX_20_DOLBY_SURR_GAME
7F	THX_51_DOLBY_SURR_GAME
80	THX_GAME_LMD_END

90	THX_CINEMA_LMD_BEGIN
91	THX_20_PLII_MOVIE
92	THX_20_PLIIX_MOVIE
93	THX_20_PLIIZ_CINEMA
94	THX_20_NEO6_MOVIE
95	THX_20_NEURAL_CINEMA
96	THX_51_OFF_CINEMA
97	THX_51_MTR_CINEMA
98	THX_51_DSC_CINEMA
99	THX_51_NEO6_CINEMA
9A	THX_51_PLIIX_MOVIE
9B	THX_51_PLIIZ_CINEMA
9C	THX_51_NEURAL_CINEMA
9D	THX_51_EX
9E	THX_20_NEOX_CINEMA
9F	THX_51_NEOX_CINEMA
A0	THX_20_DOLBY_SURR_CINEMA
A1	THX_51_DOLBY_SURR_CINEMA
A2	THX_CINEMA_LMD_END

B0	THX_U2GAME_LMD_BEGIN
B1	THX_20_PLII_SLCT2_GAME
B2	THX_20_PLIIZ_SLCT2_GAME
B3	THX_51_SLCT2_GAM
B4	THX_51_PLIIZ_SLCT2_GAME
B5	THX_U2GAME_LMD_END

B6	THX_U2MUSIC_LMD_BEGIN
B7	THX_51_SLCT2_MUS
B8	THX_51_PLIIZ_SLCT2_MUSIC
B9	THX_U2MUSIC_LMD_END

BA	THX_U2CINEMA_LMD_BEGIN
BB	THX_51_SLCT2_CIN
BC	THX_51_PLIIZ_SLCT2_CINEMA
BD	THX_U2CINEMA_LMD_END

D0	AUDYSSEY_LMD_BEGIN
D1	AUDYSSEY_20_PLII_MUSIC
D2	AUDYSSEY_20_PLIIX_MUSIC
D3	AUDYSSEY_20_NEO6_MUSIC
D4	AUDYSSEY_20_NEURAL_CINEMA
D5	AUDYSSEY_20_NEURAL_MUSIC
D6	AUDYSSEY_20_PLII_MOVIE
D7	AUDYSSEY_20_PLIIX_MOVIE
D8	AUDYSSEY_20_NEO6_MOVIE
D9	AUDYSSEY_20_PLII_GAME
DA	AUDYSSEY_20_PLIIX_GAME
DB	AUDYSSEY_51_OFF
DC	AUDYSSEY_51_PLIIX_MUSIC
DD	AUDYSSEY_51_PLIIX_MOVIE
DE	AUDYSSEY_51_NEO6
DF	AUDYSSEY_51_NEURAL_CINEMA
E0	// AUDYSSEY_51_NEURAL_MUSIC
E1	AUDYSSEY_51_EX
E2	AUDYSSEY_LMD_END

F0	SPECIAL_LMD_BEGIN
F1	TESTTONE
F2	TESTTHR
F3	TESTAUTO
F4	ASC
F5	FLASH
F6	DEBUGMODE
F7	FLASH2
F8	FLASH3
F9	FLASH4
FA	FLASH_CHECK
FB	SPECIAL_LMD_END

How to check Firmware Version & Preparation of Update

Firmware Update

Step1 : [INFO] + [ON/STANDBY] x 2
Main Firmware Version will appear on the main unit's display.

Step2 : [Cursor UP +1]
DSP Firmware Version will appear on the main unit's display.

Step3 : [Cursor UP +2]
Video Firmware Version will appear on the main unit's display.

Step4 : [Cursor UP +3]
OSD Firmware Version will appear on the main unit's display.

Step7 : [TONE +3 over]
Return to Display Main Firmware Version (Return Step1)

When It is pushed Cursor Down, It is appeared before step.

[Preparation of Update]

1. Connect the USB storage device to your PC. If there is any data in the USB storage device, remove it.
2. Download the firmware file (package file) from the OPSIS-server.
   However European service partners should download the firmware file (package file) from the ExtraNet.

   ID and Password are those we informed when changed.
   Filename is as follows: ONKAVR002B_Rxxx_xxx.zip for TX-SR393, HT-R398
   Filename is as follows: ONKAVR002C_Rxxx_xxx.zip for TX-SR494, HT-R495
   Filename is as follows: ONKAVR002B_Rxxx.zip for TX-SR292BT

   Unzip the downloaded file. A following file is created.

   AVR002B**************.of1 for TX-SR393, HT-R398
   AVR002C**************.of1 for TX-SR494
   AVR002B**************.of1 for TX-SR292BT

There is one file for update.

3. Copy it to the USB storage device. Be careful not to copy the zip file.

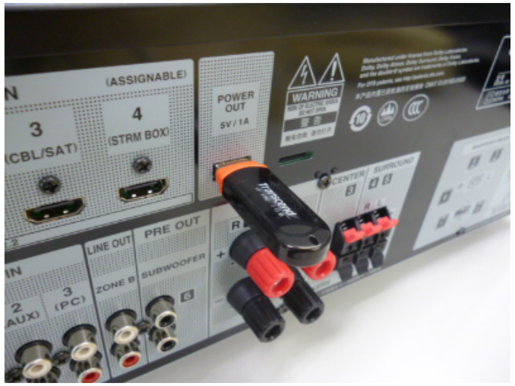
4. Remove the USB storage device from your PC.

How to Update (service mode) 1/2

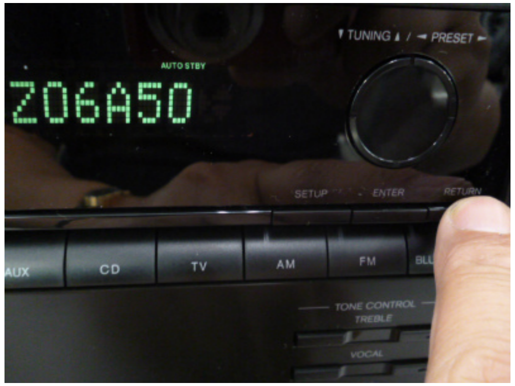
Firmware Update

Overwriting is also possible.

1. Connect the USB storage to the USB port on the unit.



2. Turn on the unit. It takes some time to start after you switch on the unit.
   Press: [DIMMER] + [ON/STANDBY] x 2
3. Press [RETURN] button, Then it is displayed as below



If you need each module of the firmware update, you can select the module by pressing PRESET < and > button.

It should be updated firmware by selecting USB -> ALL normally.

USB -> ALL: ALL firmware update (default)

USB -> DSP1: DSP firmware update

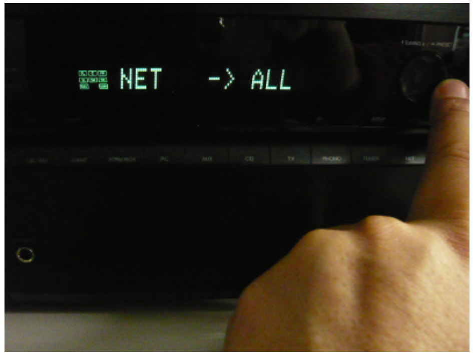
USB -> OSD: OSD firmware update

USB -> VMPU: VMPU firmware update

USB -> MMPU: Main MPU firmware update

USB -> WORK: Compare between AVR and USB, Only update new version firmware

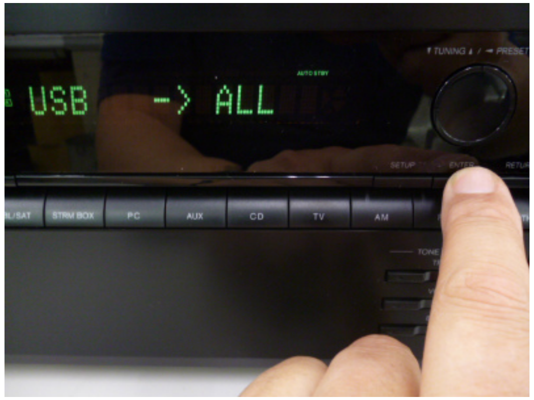
The default setting is “ ALL”



CAUTION: When you will update each module firmware, you have to keep combination of firmware.

How to Update (service mode) 2/2

4. Press [ENTER] button. Start update firmware.



5. Wait until update is completed. When the update ends, “Completed!” is displayed. When “ Completed!” message appeared, you can power off by pressing “ ON/STANDBY” button. (If you leave it, it automatically turns standby mode.)

6. Press [ON/STANDBY] button, and the unit turns on.

7. Check the new FW version number.

<Note>

If the procedure might not be successful, please select “USB -> ALL”.

Model and Destination

1． [TV] + [ON/STANDBY] → [ENTER] → [TUNER UP/DOWN] x 4

Model Name	Destination	FL Display													
HT-R495	DC	R	4	9	5				D	C		0	1	0	1
HT-R495	xx	R	4	9	5				x	x		0	1	1	1
HT-R495	xA	R	4	9	5				x	A		0	1	4	1

How to Check Idling Current

a. Aging

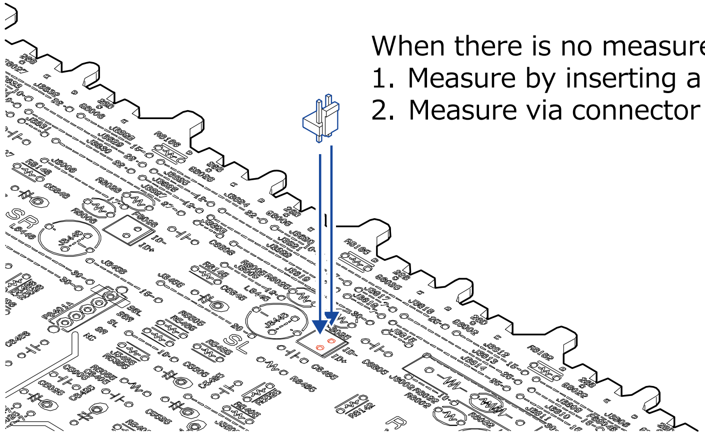
The AVR is turned on about 6 minutes for aging.

b. Idling After-check

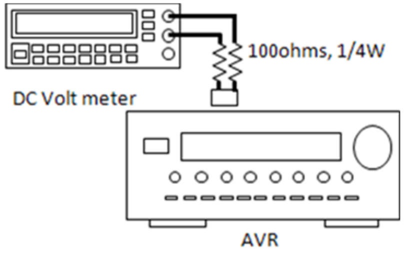
Channel	FL,FR,C,SL,SR,SBL,SBR
Terminals	P6021,P6022,P6023,P6025,P6026,P6027,P6028

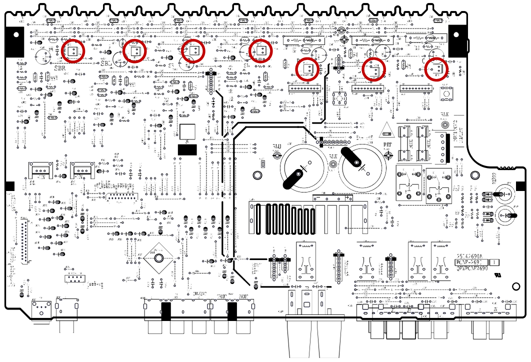
*Connect 1/4W 100 ohms resisters in each probe of multi mater .

*If the measured value are under 1 mV or over 10 mV, you have to make sure repair.



When there is no measured connector on the board:
1. Measure by inserting a like thin pin into the hole of the connector for measurement.
2. Measure via connector as shown.





BAAF-2690

No Sound

- ■ No sound from connected player
  - ☐ Chose input selector which is assigned to connected input terminal ?
  - ☐ Isn’t muting on ?

- ■ No sound from connected TV
  - ☐ Chose wrong input selector ?
  - ☐ Connect to this model’s HDMI OUT terminal from TV by HDMI cable ?
  - ☐ When TV supports ARC function, connect to his model’s HDMI OUT terminal from TV’s HDMI input terminal for ARC function ?
  - ☐ When TV doesn’t support ARC function, connect TV to this model with optical cable etc. ?
  - ☐ Isn’t muting on ?

- ■ No sound from some connected loudspeaker(s)
  - ☐ No sound loudspeaker(s) config is enabled ?

- ■ No sound from all connected TV or Blu-ray player etc.
  - ☐ After chose loudspeaker volume level setting, test tone is OK ?

- ■ No problem about above items
  - ☐ Unplug power cord

    After 10 seconds, connect power cord again
  - ☐ Reset this model

No Picture

■ In general

☐ Connection cable is bent , twisted or damaged ?

☐ Input is switched on TV ?

■ No picture from connected player by HDMI input terminal

☐ Chose input selector which is connected to player ?

☐ Listening mode is not Pure Audio ?

☐ Don’t use HDMI-DVI adaptor. From personal computer ?

■ No picture from connected player by component video terminal

☐ Output to TV connected to component video out terminal from player's picture connected to the composite video input terminals ?

■ No problem about above items

☐ Unplug power cord

After 10 seconds, connect power cord again

☐ Reset this model

No Power

- ■ In general
  - ☐ Check if the connection cable is bent or twisted, damaged.
- ■ There is time when indication on the front panel doesn't just light up.
  - ☐ Please check the connecting cord of a DISPLAY PCB.
- ■ No problem about above items
  - ☐ Unplug power cord

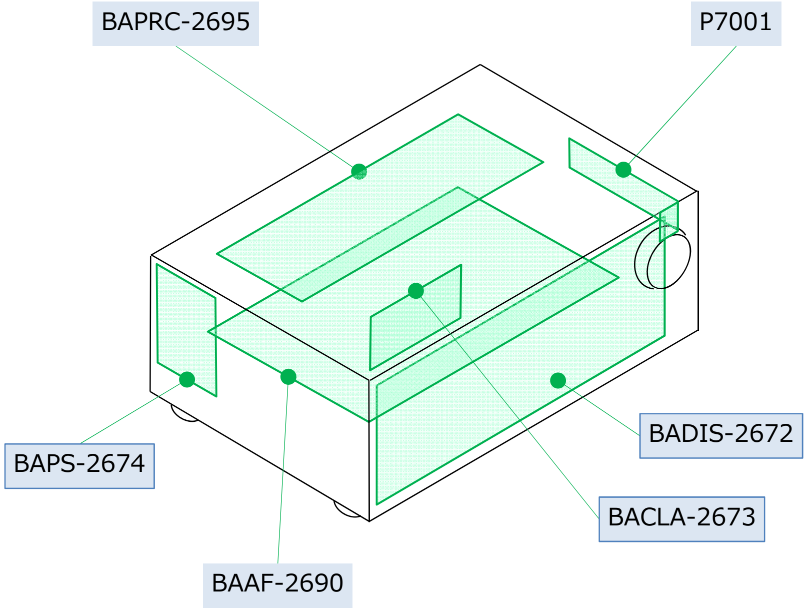
    After 10 seconds, connect power cord again
  - ☐ Reset this model

No Sound (HDMI in)

Trouble Shoot

Here the trouble shoot which focuses on the hardware troubles regarding PCB assembly is explained.
Of course, with actual repair there are also troubles due to damaged Power Transformer, Wiring, soldering etc. in addition to PCB assembly.

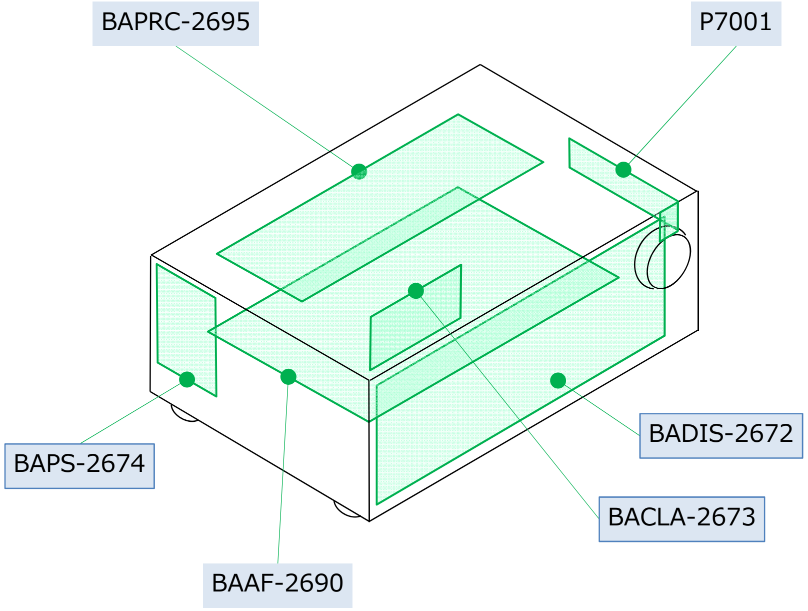
Process	Check Point No Good OK	Damaged PCB
①	P2802 (BAPRC-2695) 1 3 ca. +18V (+12VDG)	BAPS-2674
②	P7002 (BAPRC-2695) 3 ca. +3.3V (+3.3VDG)	BAPRC-2695
③	(BAAF-2690) J4251 ca. +24V	BAAF-2690
④	(BAAF-2690) J4187 ca. -15V J4188 ca. +15V	BAAF-2690
⑤	P7002 (BAPRC-2695) 12 ca. +3V (SPRLF)	BAAF-2690
⑥	P7003 (BAPRC-2695) 19 Audio Signal (DAC OUT)	BAPRC-2695
⑦	(BAAF-2690) J4101 Audio Signal (FL OUT, CLA-IN)	BAAF-2690
⑧	Q6001, Q6021 (BAAF-2690) Base Audio Signal (FL OUT, CLA-OUT)	BACLA-2673
⑨		BAAF-2690



No Sound (Opt in)

Here the trouble shoot which focuses on the hardware troubles regarding PCB assembly is explained.
Of course, with actual repair there are also troubles due to damaged Power Transformer, Wiring, soldering etc. in addition to PCB assembly.

Process	Check Point No Good OK	Damaged PCB
1	P2802 (BAPRC-2695) 1 3 ca. +18V (+12VDG)	BAPS-2674
2	P7002 (BAPRC-2695) 3 ca. +3.3V (+3.3VDG)	BAPRC-2695
3	J4251 (BAAF-2690) J4251 ca. +24V	BAAF-2690
4	(BAAF-2690) J4187 ca. -15V J4188 ca. +15V	BAAF-2690
5	P7002 (BAPRC-2695) 12 ca. +3V (SPRLF)	BAAF-2690
6	P7003 (BAPRC-2695) 25 Audio Signal (OPT IN)	BAPRC-2695
7	P7003 (BAPRC-2695) 19 Audio Signal (DAC OUT)	BAPRC-2695
8	(BAAF-2690) J4101 Audio Signal (FL OUT, CLA IN)	BAAF-2690
9	Q6001, Q6021 (BAAF-2690) Base Audio Signal (FL OUT, CLA OUT)	BACLA-2673
10		BAAF-2690

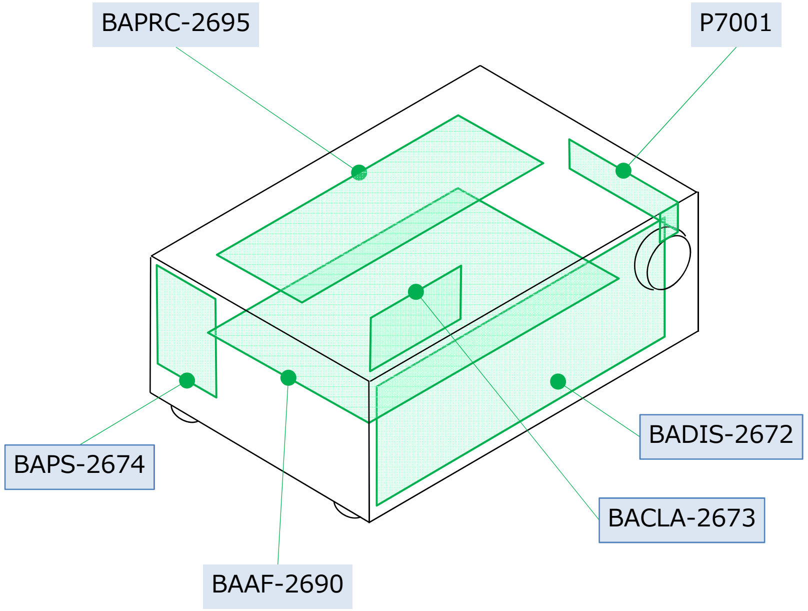


No Sound (Analog in)

Trouble Shoot

Here the trouble shoot which focuses on the hardware troubles regarding PCB assembly is explained.
Of course, with actual repair there are also troubles due to damaged Power Transformer, Wiring, soldering etc. in addition to PCB assembly.

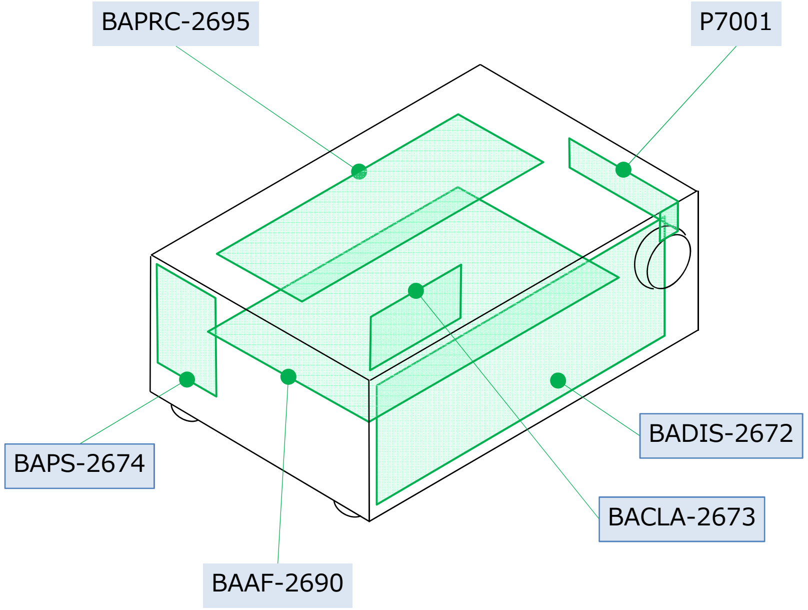
Process	Check Point No Good → OK ↓	Damaged PCB
1	J4251(BAAF-2690) J4251 ca. +24V	BAAF-2690
2	J4187, J4188 (BAAF-2690) J4187 ca. -15V J4188 ca. +15V	BAAF-2690
3	P7002 (BAPRC-2695) 12 ca. +3V (SPRLF)	BAAF-2690
4	J4101 (BAAF-2690) J4101 Audio Signal (FL OUT, CLA IN)	BAAF-2690
5	Q6001, Q6021 (BAAF-2690) Base Audio Signal (FL OUT, CLA OUT)	BACLA-2673
6		BAAF-2690



No Picture (HDMI in/ out)

Here the trouble shoot which focuses on the hardware troubles regarding PCB assembly is explained.
Of course, with actual repair there are also troubles due to damaged Power Transformer, Wiring, soldering etc. in addition to PCB assembly.

Process	**Check Point** No Good OK	**Damaged PCB**
①	P2802 (BAPRC-2695) 1 3 ca. +18V (+12VDG)	BAPS-2674
②		BAPRC-2695

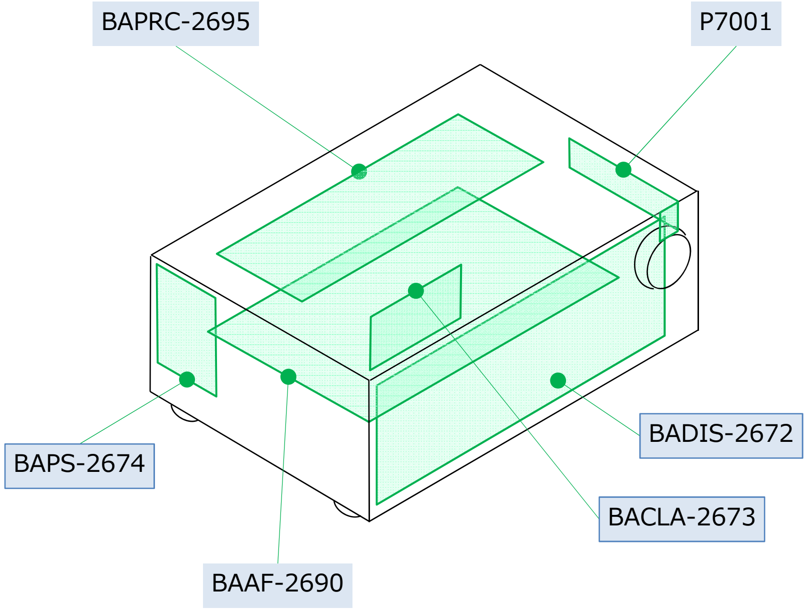


No Power

Trouble Shoot

Here the trouble shoot which focuses on the hardware troubles regarding PCB assembly is explained.
Of course, with actual repair there are also troubles due to damaged Power Transformer, Wiring, soldering etc. in addition to PCB assembly.

Process	Check Point No Good OK	Damaged PCB
1	F9001,F6901,F6902 (BAPS-2674/ BAAF-2690)	BAAF-2690 and BACLA-2673
2	ANY PARTS (BAAF-2674/ BACLA-2673)	BAAF-2690 and BACLA-2673
3	P7001 (BAPRC-2695)	P7001(FFC)
4	P2802 (BAPRC-2695) ① ③ ca. +10V → +18V (+12VDG)	BAPS-2674
5	P2802 (BAPRC-2695) ⑦ ca. +5.8V(POFF)	BAPS-2674
6	P2802 (BAPRC-2695) ⑥ ca. 0 → +2.5V (M_PON)	BAPRC-2695
7	RL9001 (BAPS-2674)	BAPS-2674
8	P9002 (BAPS-2674) AC 100 V to 240 V	BAPS-2674
9	P7001B (BADIS-2672)	P7001(FFC)
10		BADIS-2672



ANY PARTS on BAAF-2690

Check damage parts

Normal(OK) or Damage (No good)

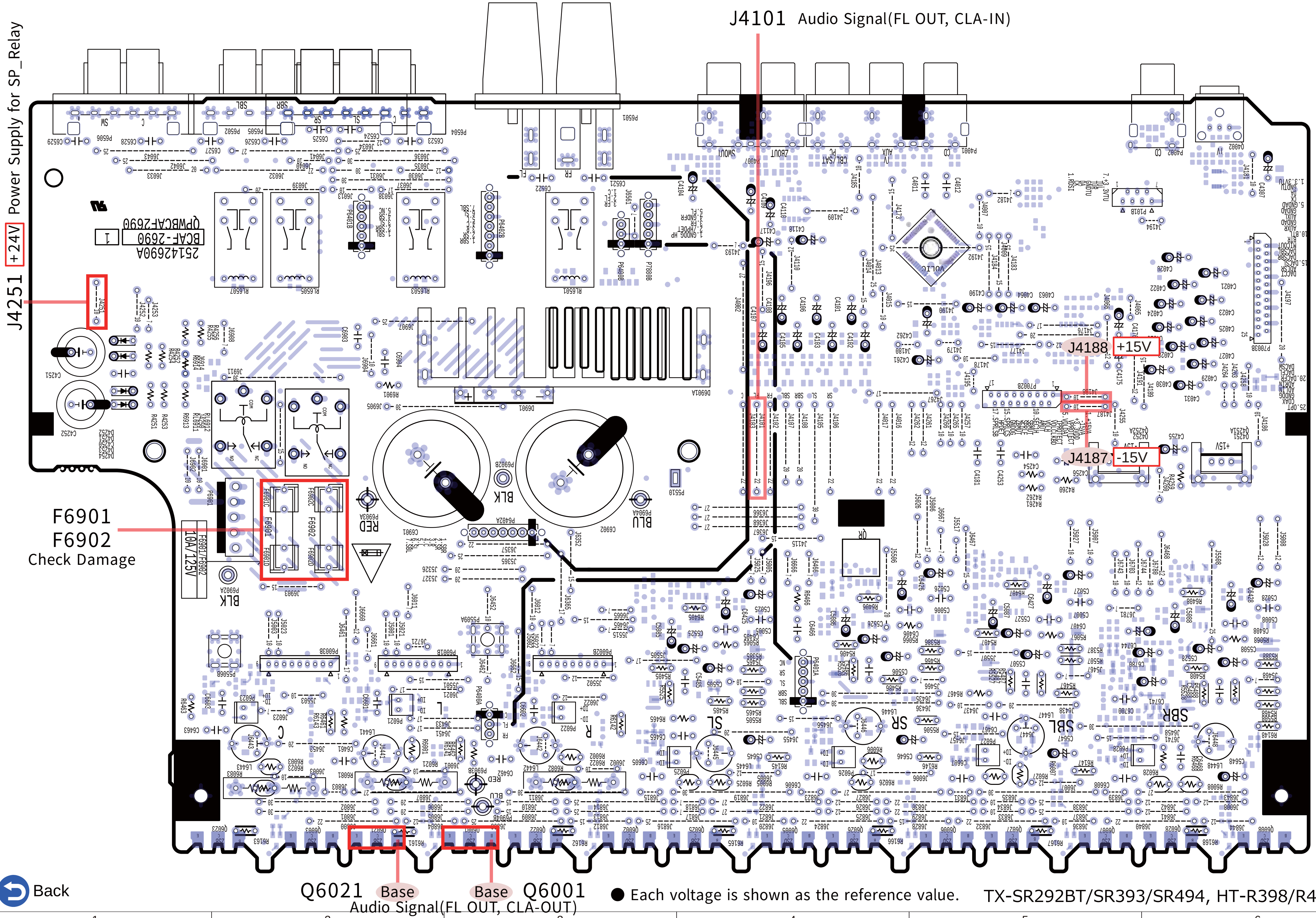
Check the damage in the red framework part as shown with visual inspection.

e.g. Broken, Burnout, Discoloration, etc.

1. When being not turned on with remote control unit only, BADIS-2672 is abnormal.
2. When being not turned on with button on the main unit only, BADIS-2672 is abnormal.

Check Point (BAAF-2690)

Trouble Shoot



J4101 Audio Signal(FL OUT, CLA-IN)

J4251 +24V Power Supply for SP_Relay

F6901
F6902
Check Damage

J4188 +15V

J4187 -15V

Q6021 Base

Q6001 Base

Audio Signal(FL OUT, CLA-OUT)

Back

● Each voltage is shown as the reference value.

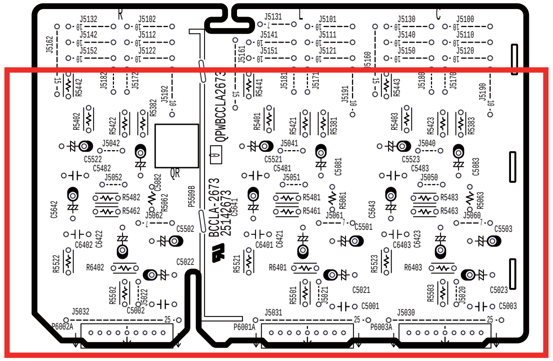
Check Point (BAAF-2690/BACLA-2673)

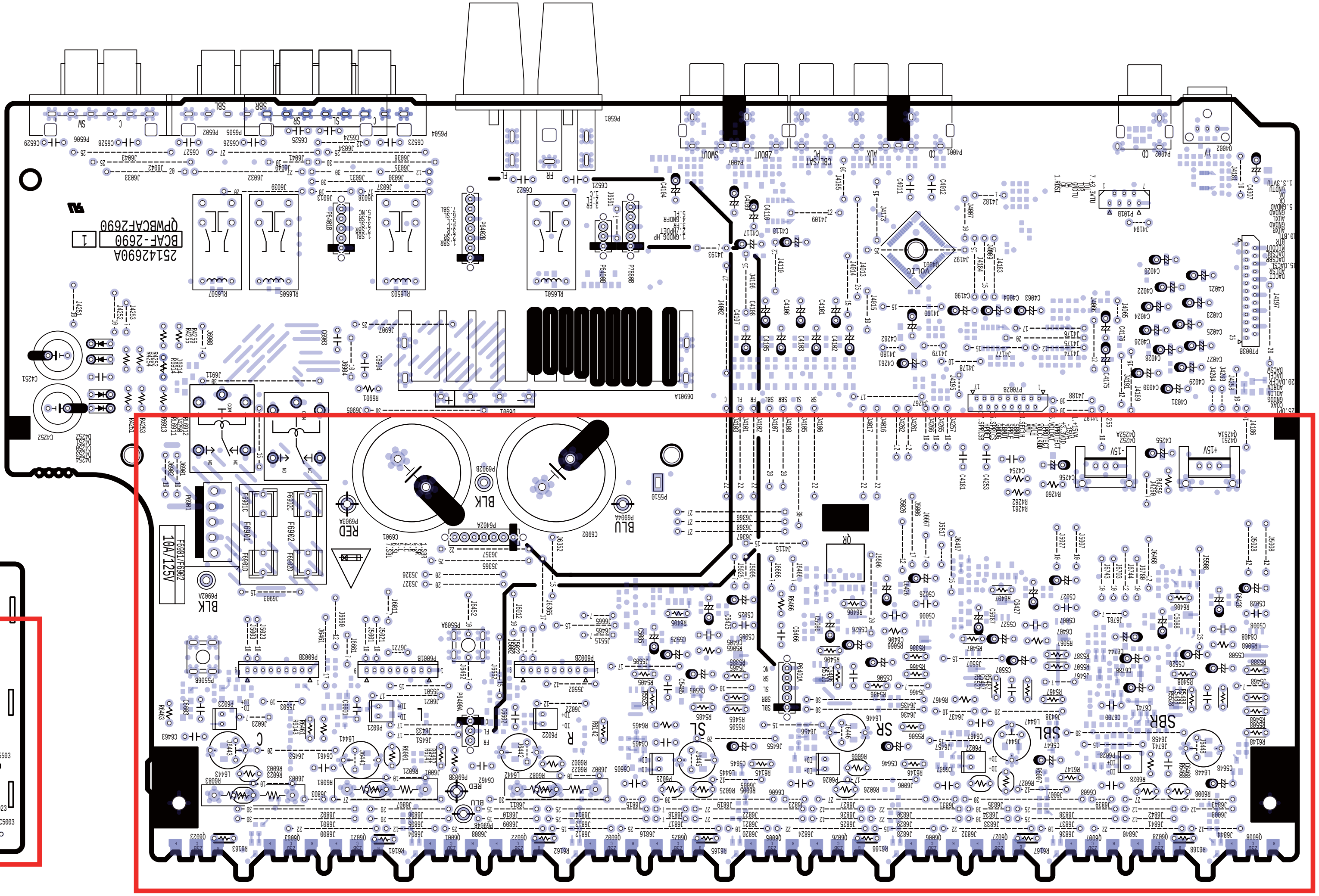
ANY PARTS
Check damage

Normal(OK) or Damage (No good)

Check the damage in the red framework part as shown with visual inspection.

e.g. Broken, Burnout, Discoloration, etc.


BACLA-2673

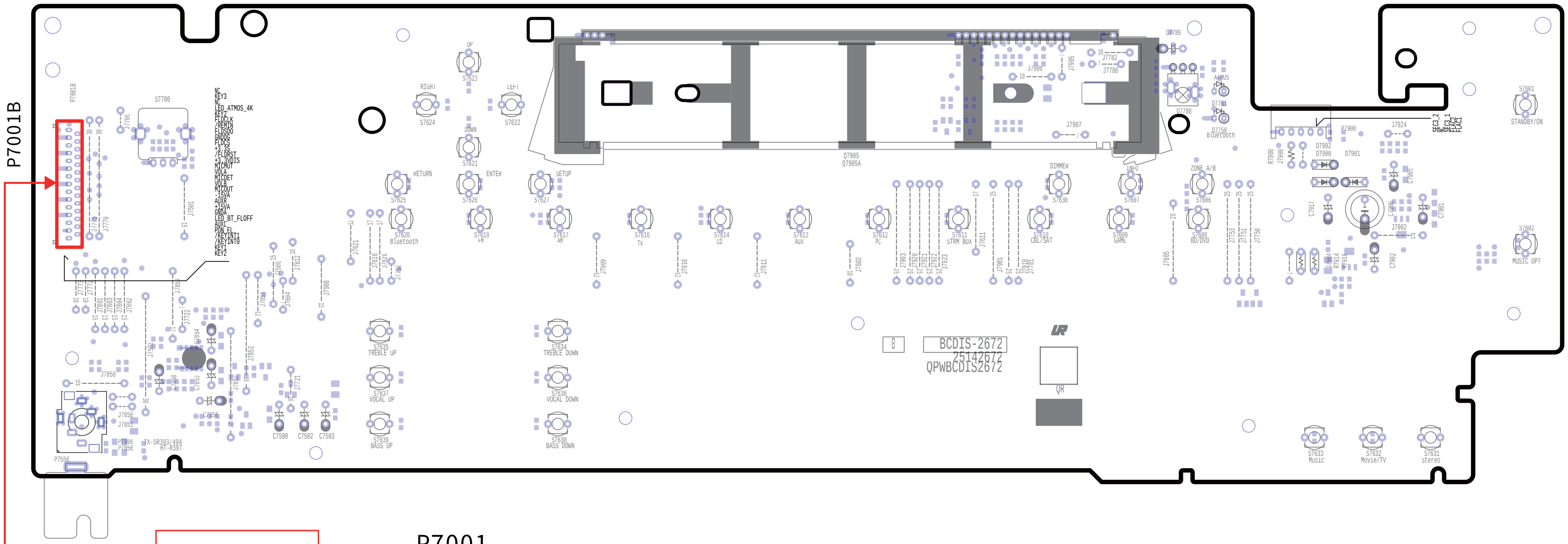

BAAF-2690

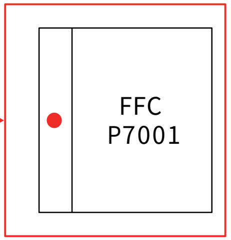
Back

● Each voltage is shown as the reference value.

Check Point (BADIS-2672)

Trouble Shoot





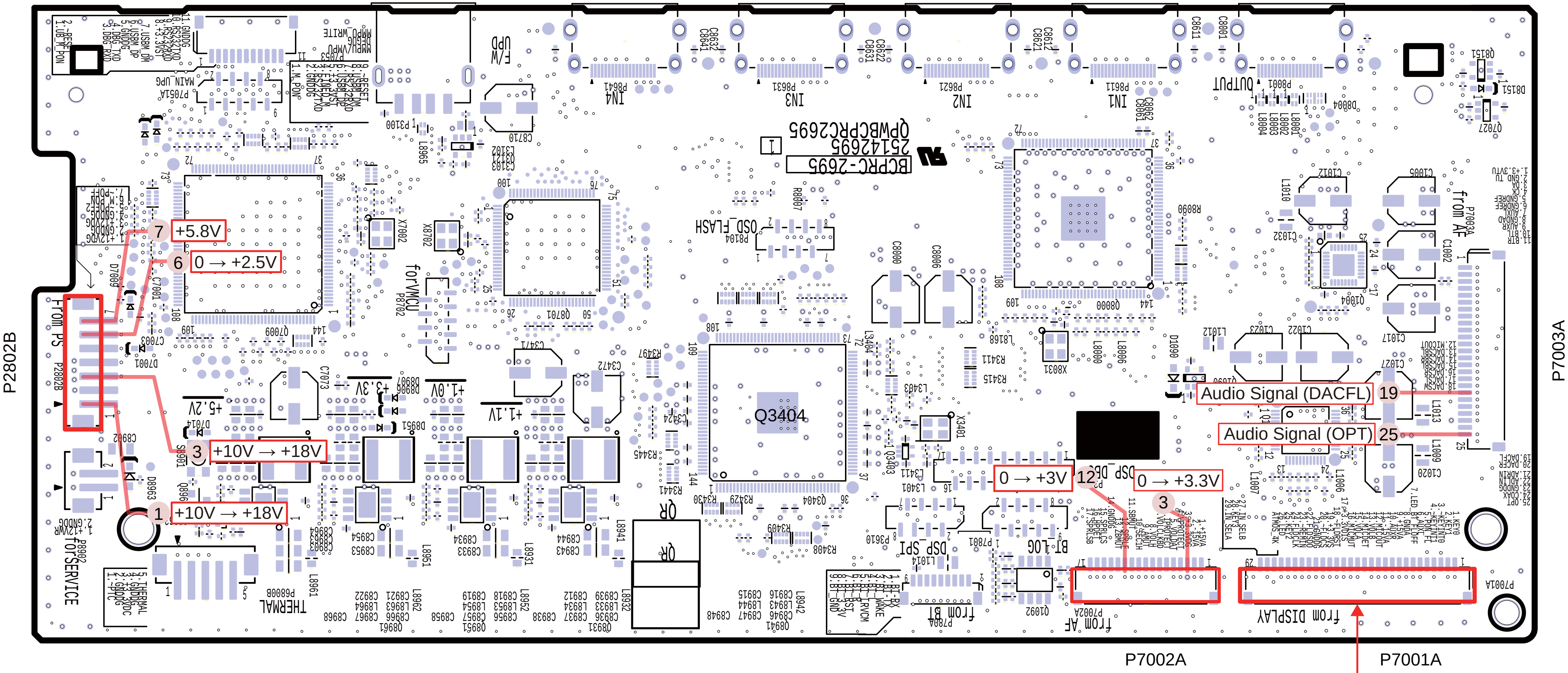
P7001

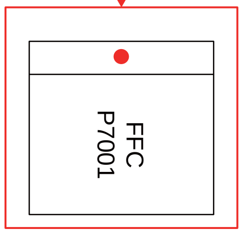
● Check damage and connection

How to check

1.Disconnect the FFC from the socket.
2.Check the contacts of the FFC.

● Each voltage is shown as the reference value.





P7001

- ● Check damage and connection

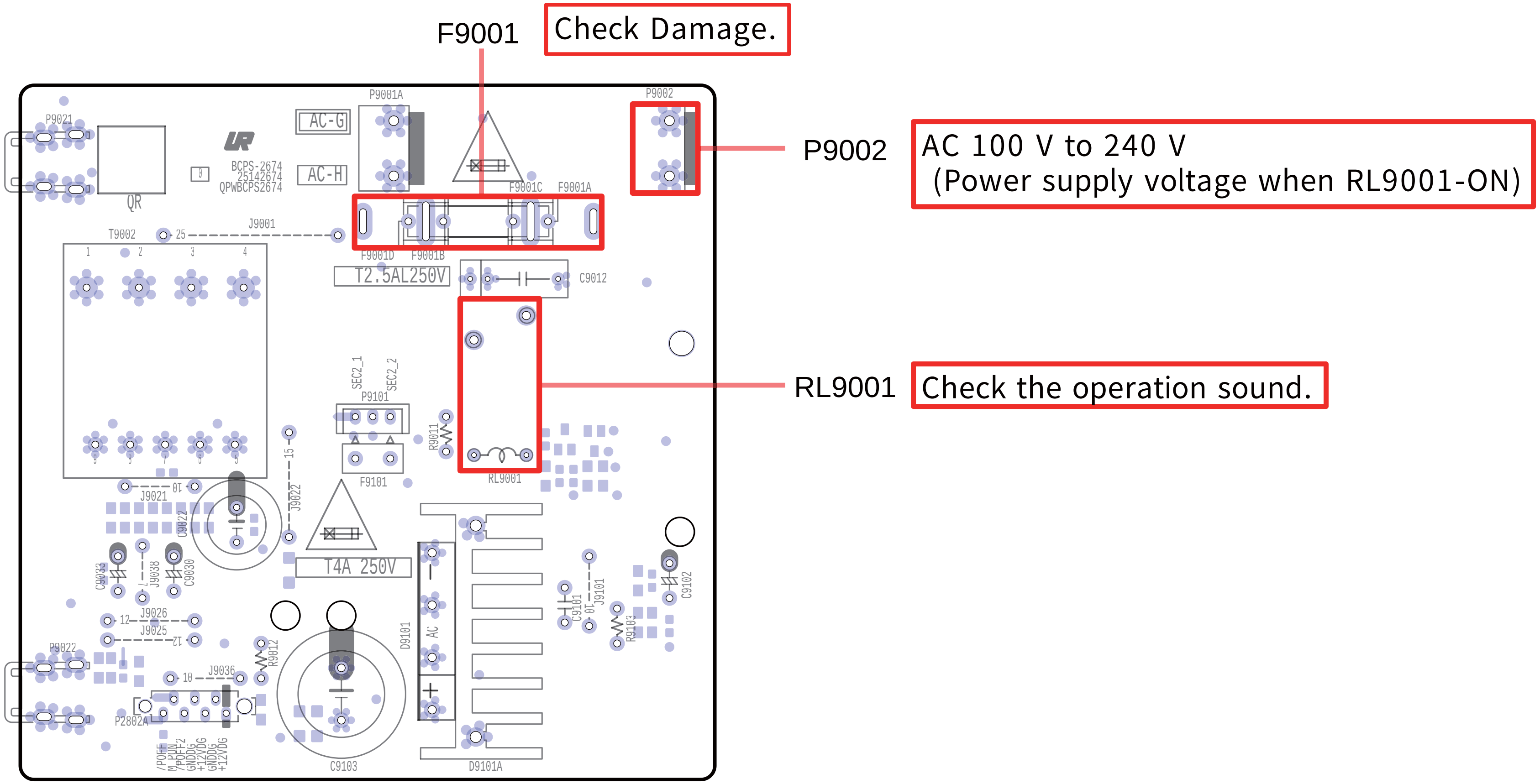
How to check

1.Disconnect the FFC from the socket.
2.Check the contacts of the FFC.

● Each voltage is shown as the reference value.

Check Point (BAPS-2674)

Trouble Shoot



F9001 Check Damage.

P9002 AC 100 V to 240 V
(Power supply voltage when RL9001-ON)

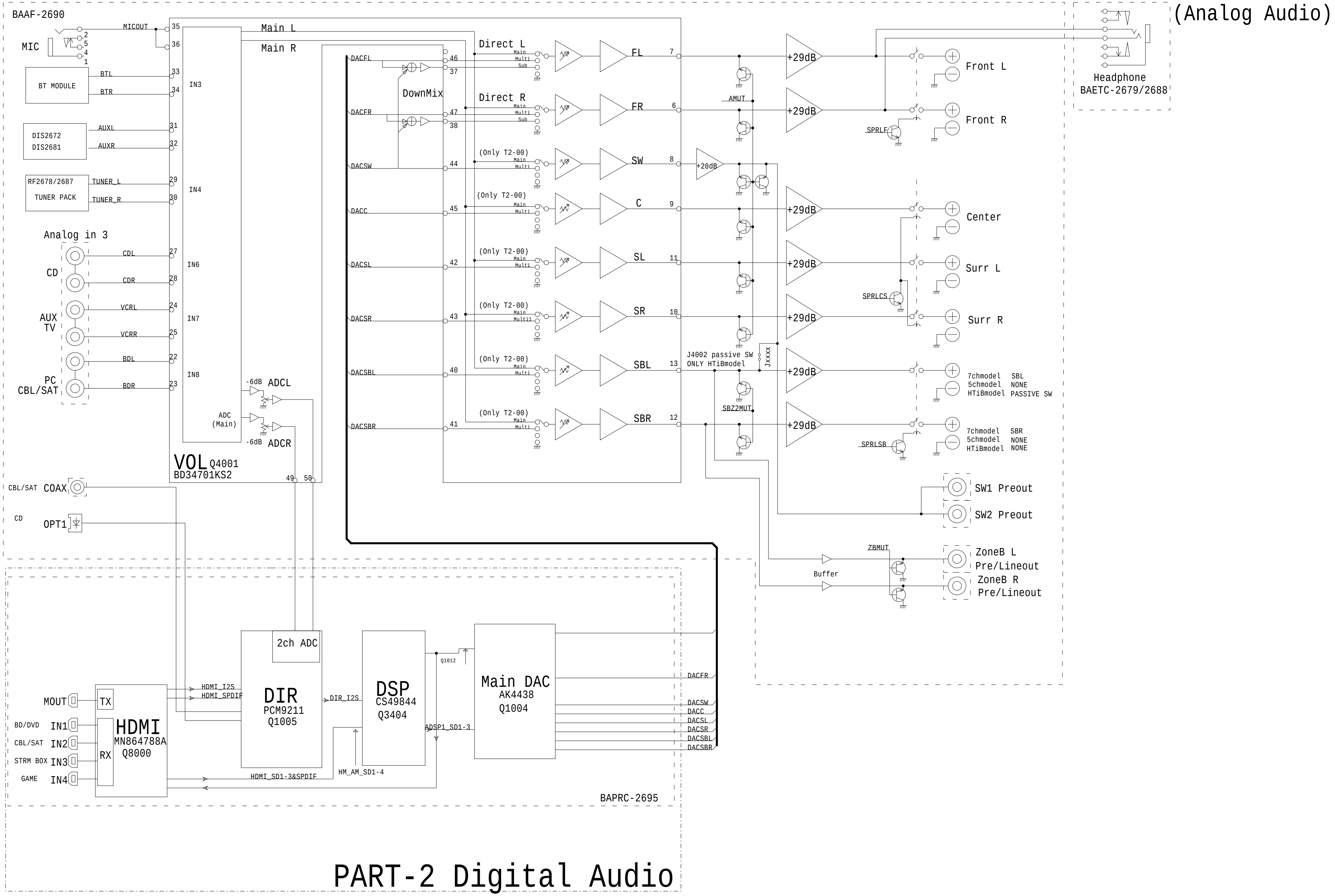
RL9001 Check the operation sound.

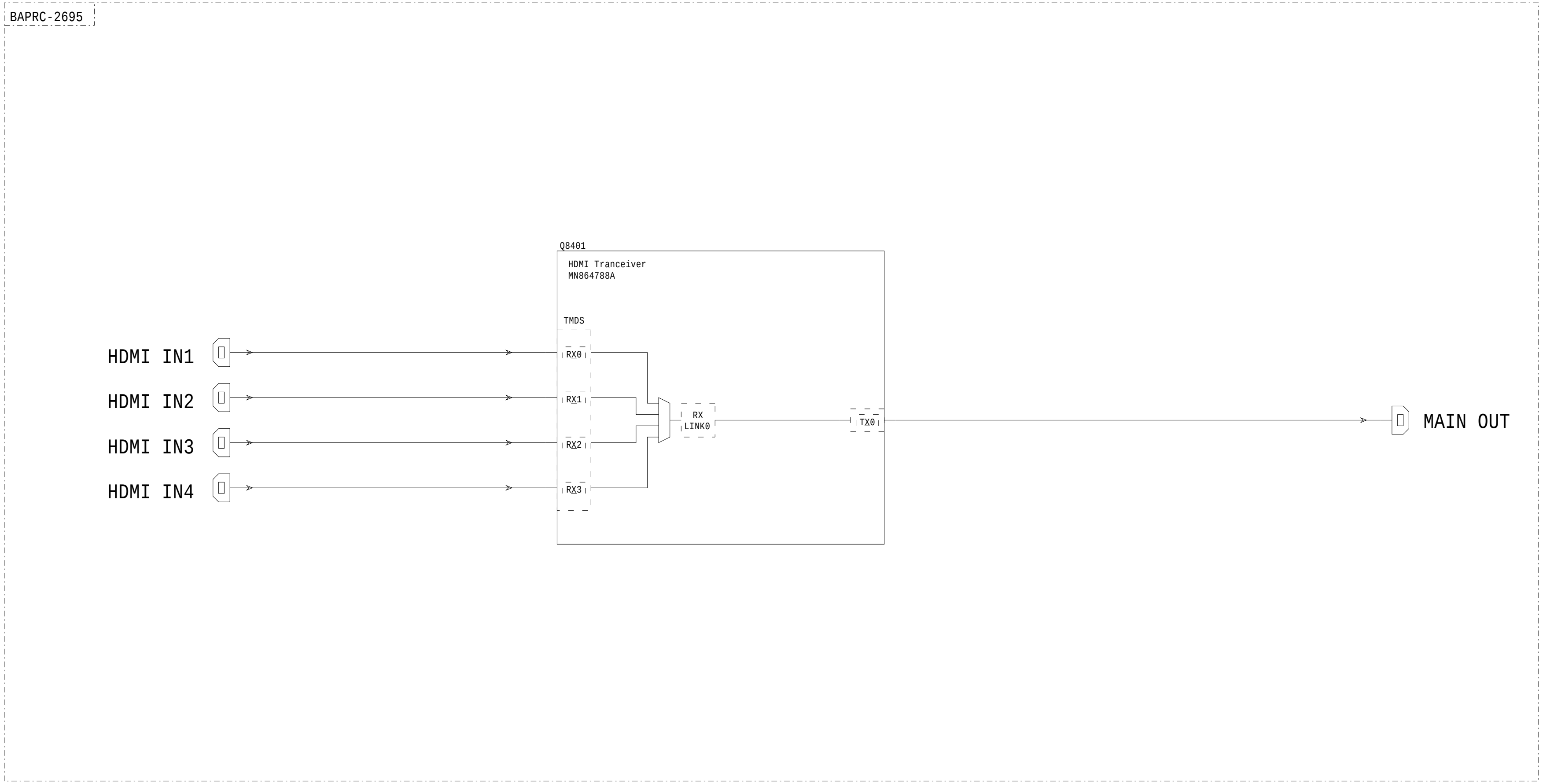
Bottom Side View

Back

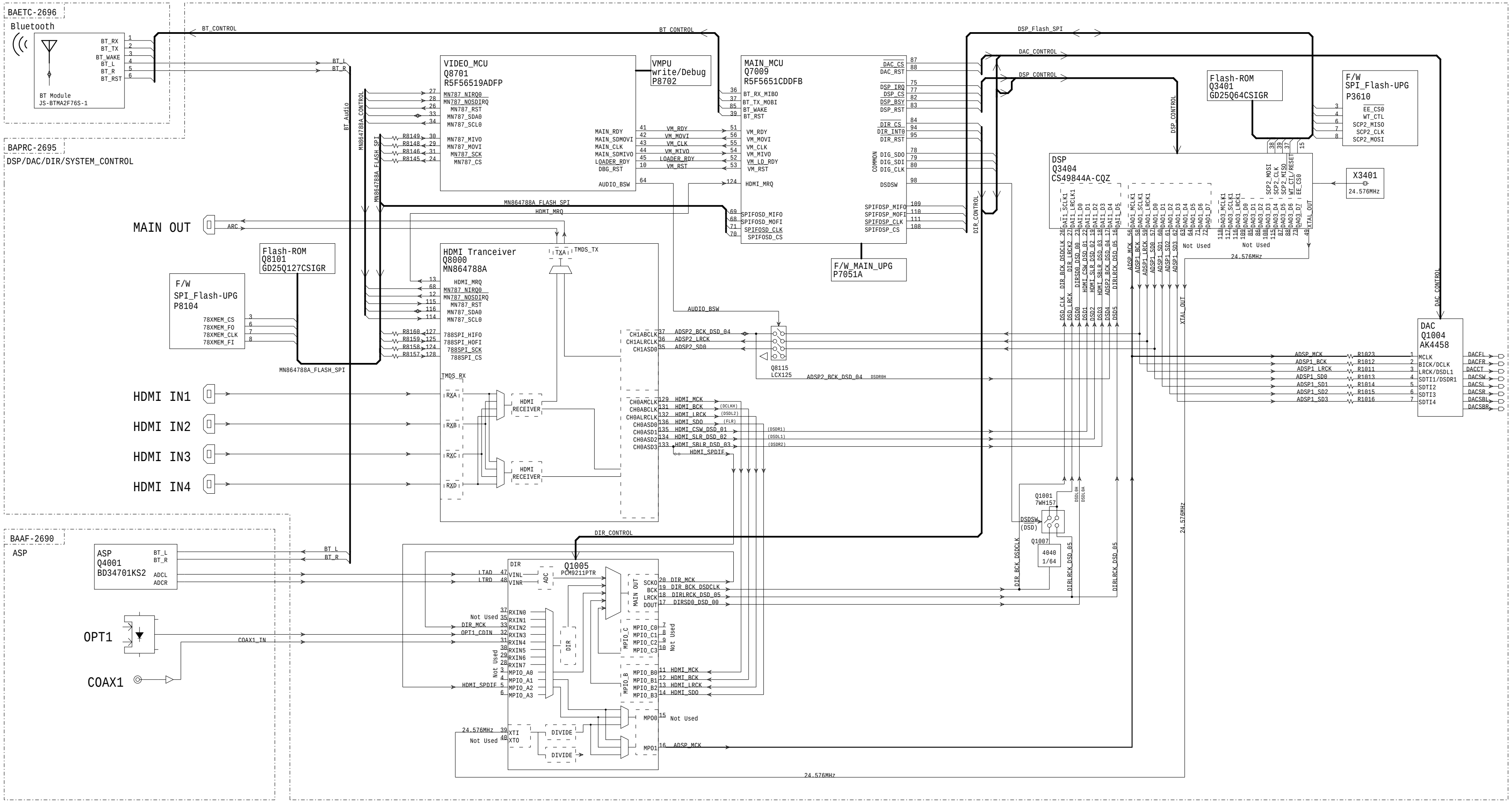
● Each voltage is shown as the reference value.

Block Diagrams (Analog Audio)

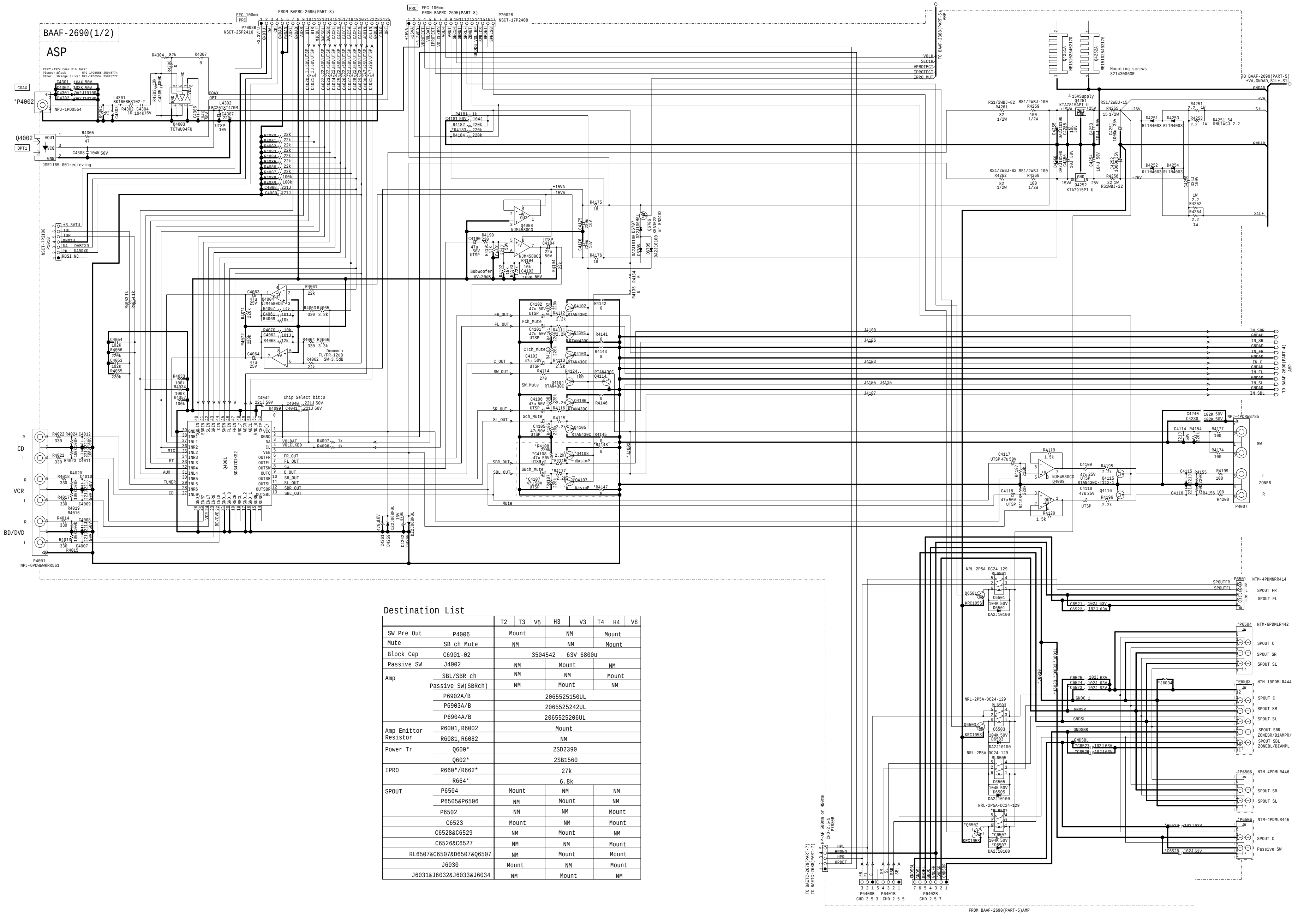



BAPRC-2695
Q8401
HDMI Tranceiver
MN864788A
TMDS
HDMI IN1
HDMI IN2
HDMI IN3
HDMI IN4
RX0
RX1
RX2
RX3
RX
LINK0
TX0
MAIN OUT

Block Diagrams (Dgital Audio & Control)



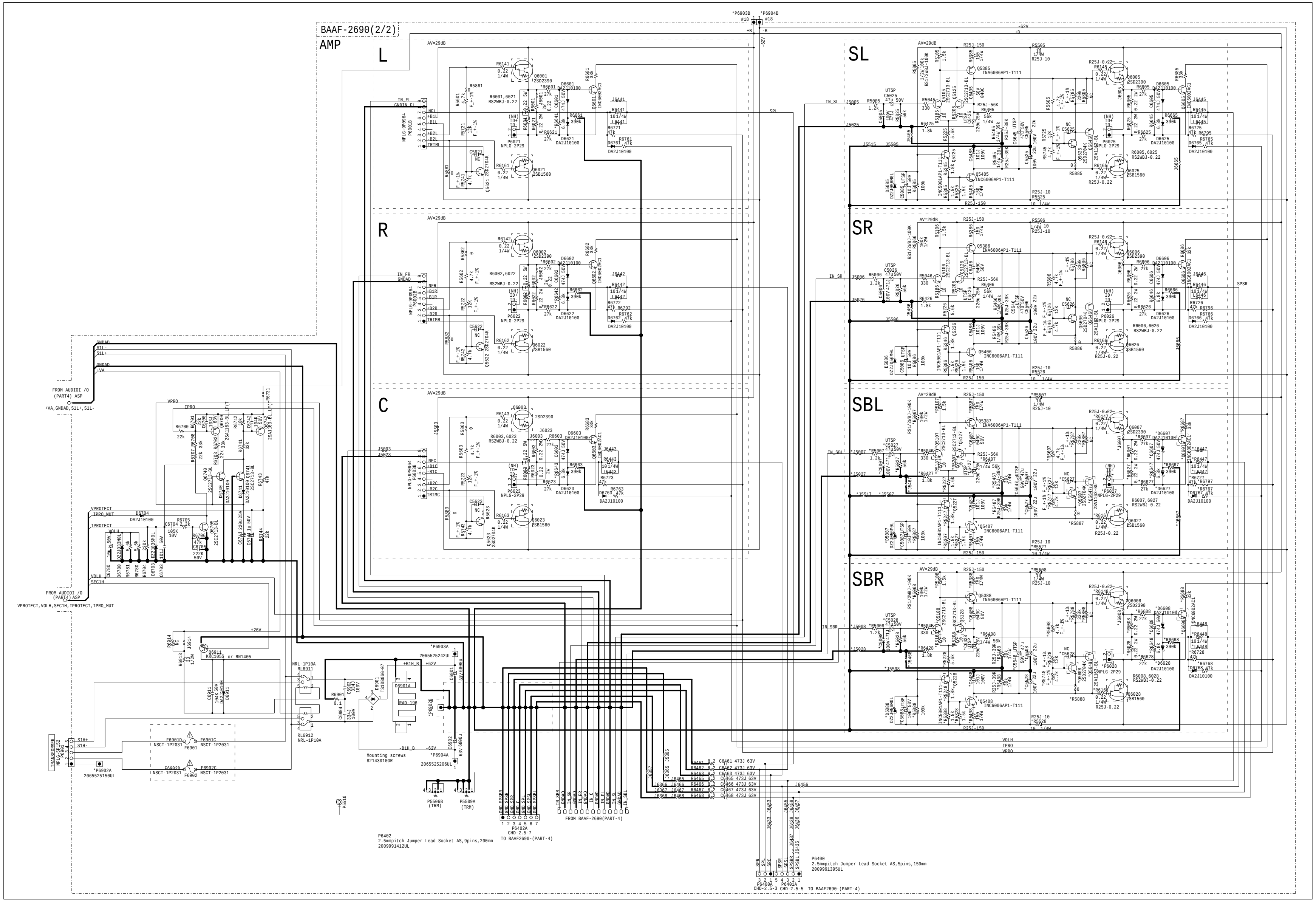
ASP Section

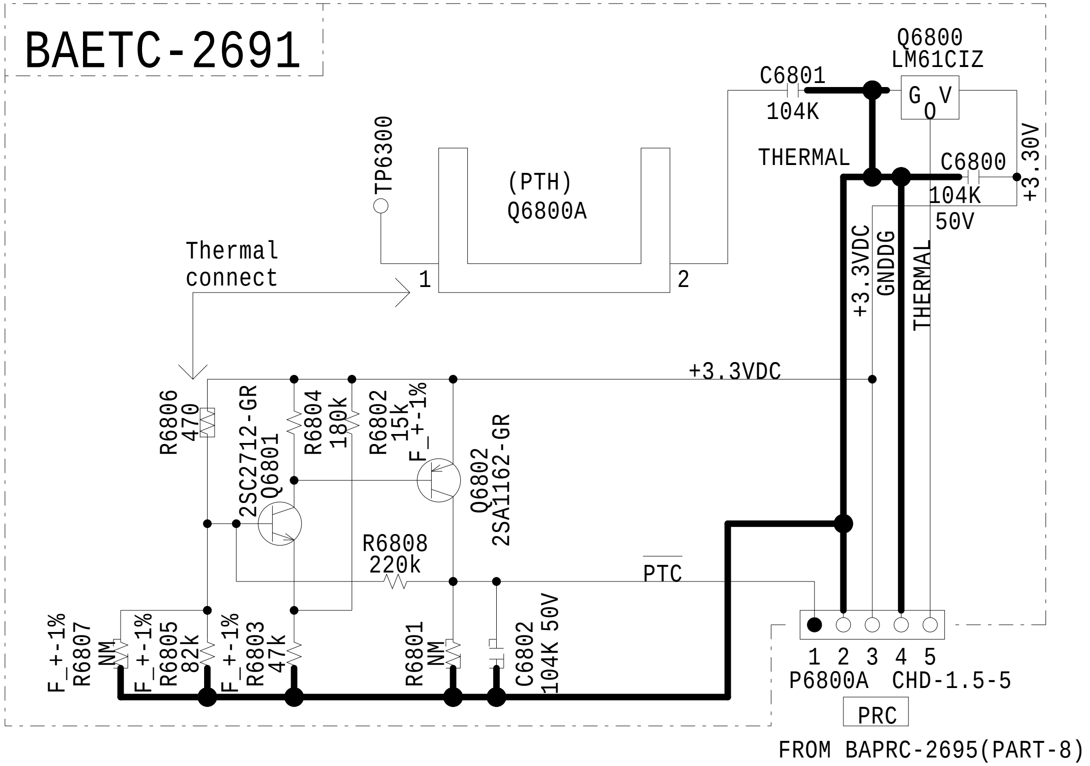


Destination List

		T2	T3	V5	H3	V3	T4	H4	V8
SW Pre Out	P4006	Mount			NM		Mount		
Mute	SB ch Mute	NM			NM		Mount		
Block Cap	C6901-02	3504542 63V 6800u							
Passive SW	J4002	NM			Mount		NM		
Amp	SBL/SBR ch	NM			NM		Mount		
	Passive SW(SBRch)	NM			Mount		NM		
	P6902A/B	2065525150UL							
	P6903A/B	2065525242UL							
	P6904A/B	2065525206UL							
Amp Emittor Resistor	R6001,R6002	Mount							
	R6081,R6082	NM							
Power Tr	Q600*	2SD2390							
	Q602*	2SB1560							
IPRO	R660*/R662*	27k							
	R664*	6.8k							
SPOUT	P6504	Mount			NM		NM		
	P6505&P6506	NM			Mount		NM		
	P6502	NM			NM		Mount		
	C6523	Mount			NM		Mount		
	C6528&C6529	NM			Mount		NM		
	C6526&C6527	NM			NM		Mount		
	RL6507&C6507&D6507&Q6507	NM			Mount		Mount		
	J6030	Mount			NM		Mount		
	J6031&J6032&J6033&J6034	NM			Mount		NM		

Amp Section

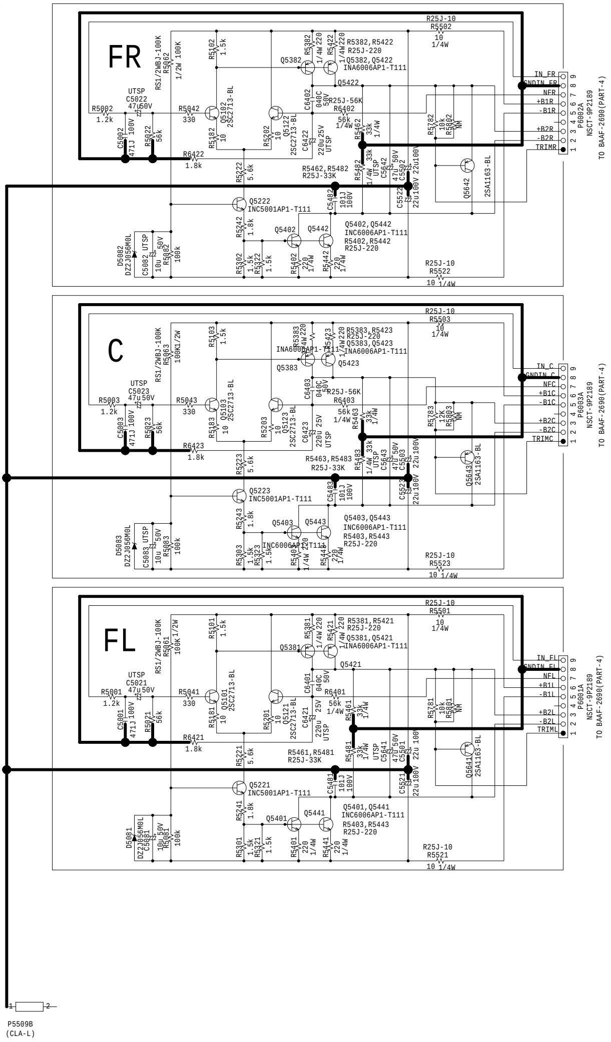

BAAF-2690(2/2)
AMP
L
R
C
SL
SR
SBL
SBR
AV=29dB
FROM AUDIOI/O (PART4) ASP
+VA,GNDAD,S1L+,S1L-
FROM AUDIOI/O (PART4) ASP
VPROTECT,VOLH,SEC1H,IPROTECT,IPRO_MUT
TRANSFORMER
NSCT-1P2031
NRL-1P10A
Mounting screws 82143010GR
P6402
2.5mmpitch Jumper Lead Socket A5,9pins,200mm
2009991412UL
TO BAAF2690-(PART-4)
FROM BAAF-2690(PART-4)
P6400
2.5mmpitch Jumper Lead Socket A5,5pins,150mm
2009991395UL
TO BAAF2690-(PART-4)
P5508 (TRM)
P5509A (TRM)
VOLH
IPRO
VPRO


BAETC-2691
Q6800
LM61CIZ
G V
O
C6801
104K
THERMAL
C6800
104K
50V
+3.30V
TP6300
(PTH)
Q6800A
1
2
Thermal
connect
+3.3VDC
GNDDG
THERMAL
+3.3VDC
R6806
470
2SC2712-GR
Q6801
R6804
180k
R6802
15k
F_+-1%
Q6802
2SA1162-GR
R6808
220k
PTC
F_+-1%
R6807
NM
F_+-1%
R6805
82k
F_+-1%
R6803
47k
R6801
NM
C6802
104K 50V
1 2 3 4 5
P6800A CHD-1.5-5
PRC
FROM BAPRC-2695(PART-8)

Schematic Diagrams

BACLA-2673 TX-SR292BT/393/494,HT-R398_C/495_C

CLASS A



	Model								
	T2	T3	H3	T4	H4	V5	V5D	V3	V8
R542*/R544* Q542*/Q544*	Mount					Mount			
R538*/R540*	220					220			
R546*/R548*	33k					33k			
R5781	10k					10k			
R5782	10k					10k			
R5783	12k					12k			
C500*	221J					221J			

PS Section

THE COMPONENTS IDENTIFIED MARK ⚠ ARE CRITICAL FOR SAFETY, REPLACE ONLY WITH PART NUMBER SPECFIED.
VOLTAGE (MEASURED WITH VOLTMETER) IS DC VOLTAGE. (NO INPUT SIGNAL)
ELECTRLYTIC CAPACITORS (⊣⊢) ARE IN uF/WV.
ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.
EX) 030 -> 3pF, 330 -> 33pF, 331 -> 330pF, 333 -> 0.033uF
CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

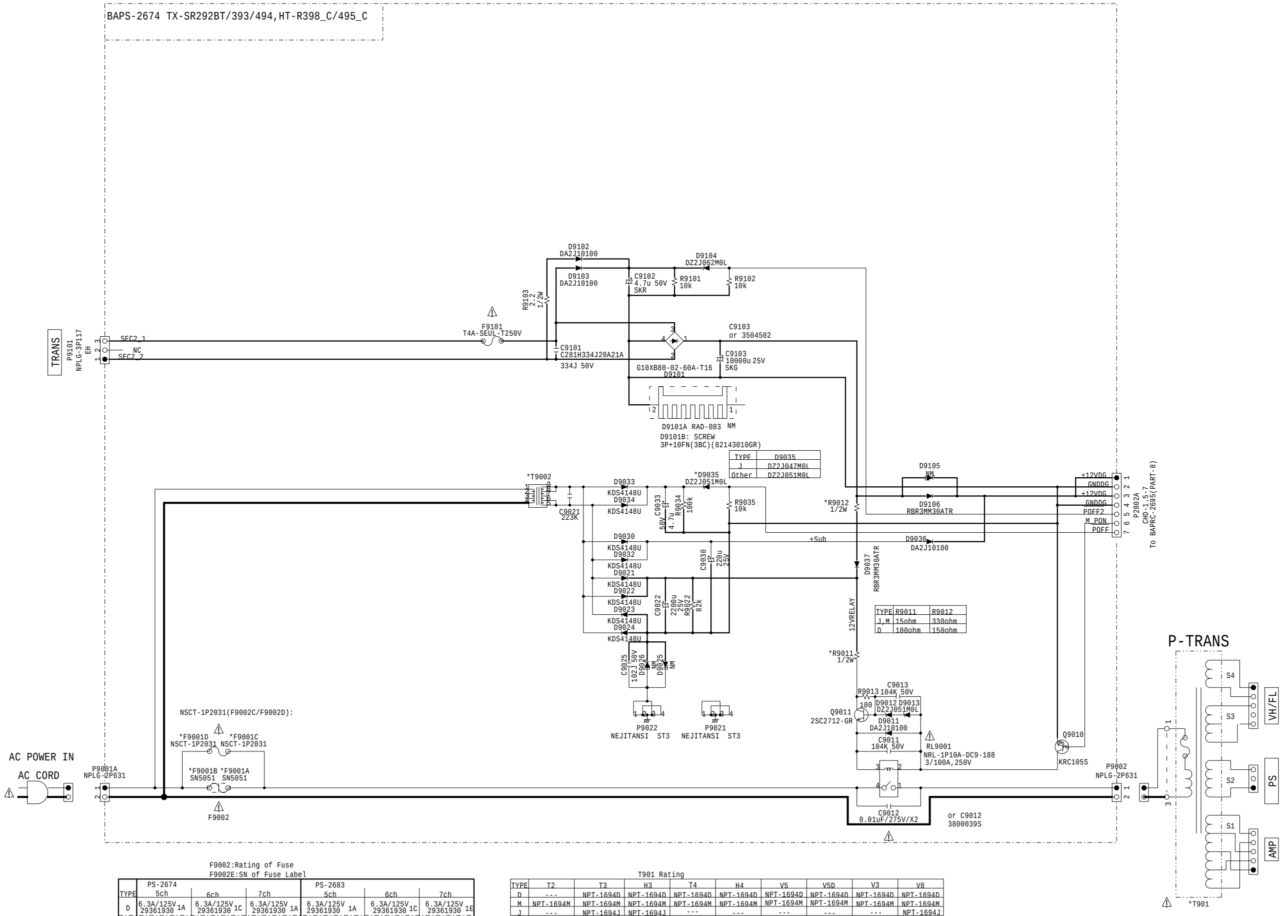
⚠印は火災、感電の危険に関与する部品の為、必ず指定部品を使用の事。
電圧表示は無信号時に測定した直流電圧を示す。
記入なき電解コンデンサの単位はuF/WVである。
記入なきコンデンサの単位はpF/50WVである。
例) 030 -> 3pF, 330 -> 33pF, 331 -> 330pF, 333 -> 0.033uF
本配線図は基本配線図につき性能改善等により予告なく変更する事がある。

CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH FUSE OF SAME TYPE AND RATING INDICATED.

ATTENTION
AFIN D'ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE,
REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE ET CALIBRATION COMME INDIQUE.

THIS SYMBOL LOCATED NEAR THE FUSE INDICATES THAT THE FUSE USED IS SLOW OPERATING TYPE
FOR CONTINUED PROTECTION AGAINST FIRE FUSE HAZARD, REPLACE WITH SAME TYPE FUSE.
RATING REFER TO THE MAKING ADJACENT TO THE SYMBOL.

CE SYMBOLE INDIQUE QUE LE FUSIBLE UTLISE EST A LENT, E POUR UNEPROTECTION PERMANENT,
N'UTILISER QUE DES FUSIBLES DE MEME TYPE.
CE DARNIER EST INDIQUE LA QU LE PRESENT SYMBOL EST APPOSE.



TYPE	D9035
J	DZ2J047M0L
Other	DZ2J051M0L

TYPE	R9011	R9012
J,M	15ohm	330ohm
D	100ohm	150ohm

TYPE	AC POWER
D	120Vac,60Hz
M	220-240Vac,50/60Hz
J	100Vac,50/60Hz
P	230Vac,50Hz

F9002:Rating of Fuse
F9002E:SN of Fuse Label

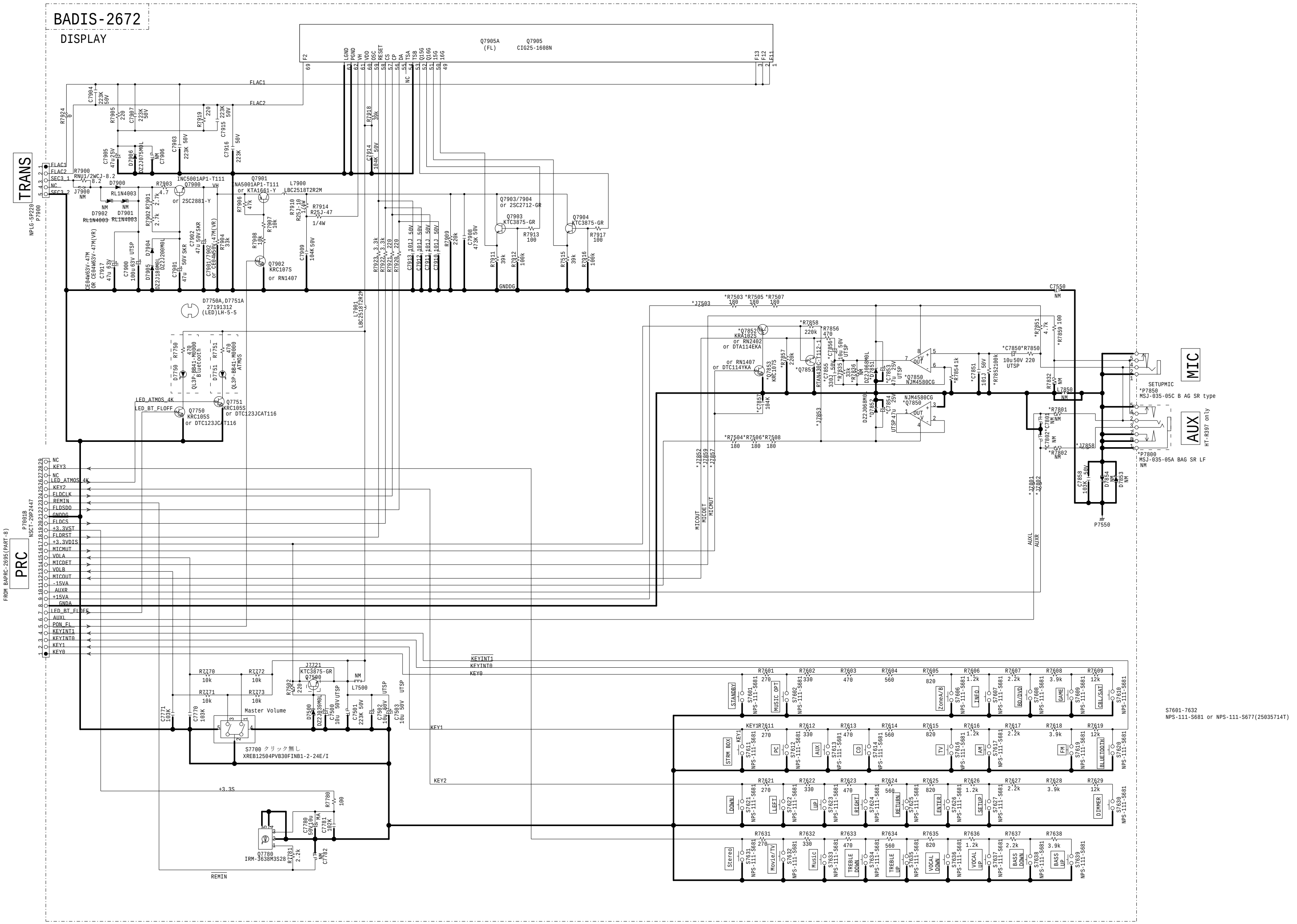
TYPE	PS-2674			PS-2683		
	5ch	6ch	7ch	5ch	6ch	7ch
D	6.3A/125V 29361930 1A	6.3A/125V 29361930 1C	6.3A/125V 29361930 1A	6.3A/125V 29361930 1A	6.3A/125V 29361930 1C	6.3A/125V 29361930 1E
M	2.5AL250V 1B	2.5AL250V 1D	2.5AL250V 1F	2.5AL250V 1B 1G	2.5AL250V 1D	2.5AL250V 1F
J	6.3A/125V 29361930 1E	6.3A/125V 29361930 1G	---	---	---	6.3A/125V 29361930 1H

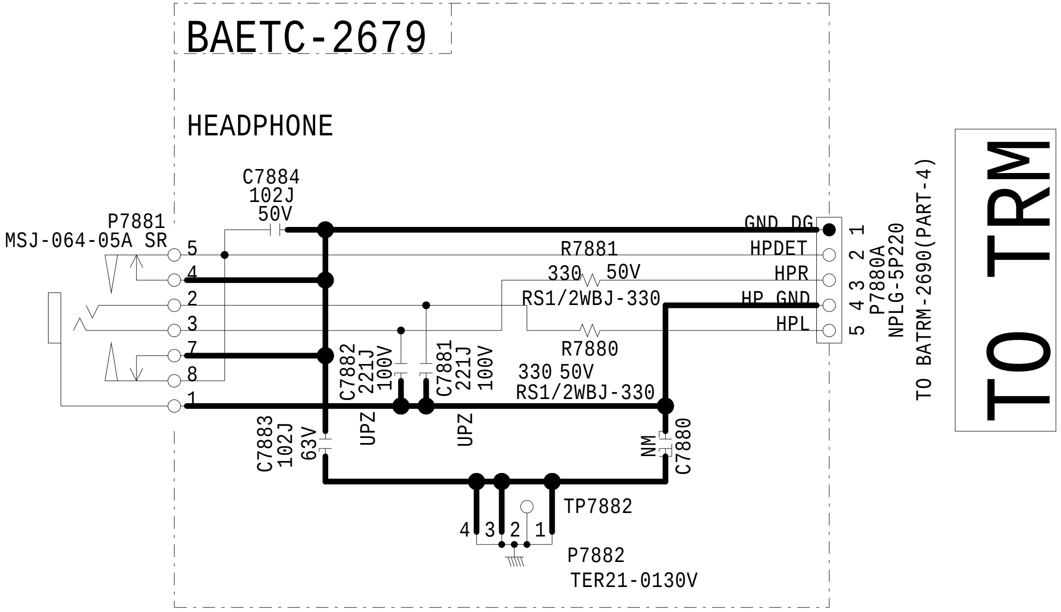
T901 Rating

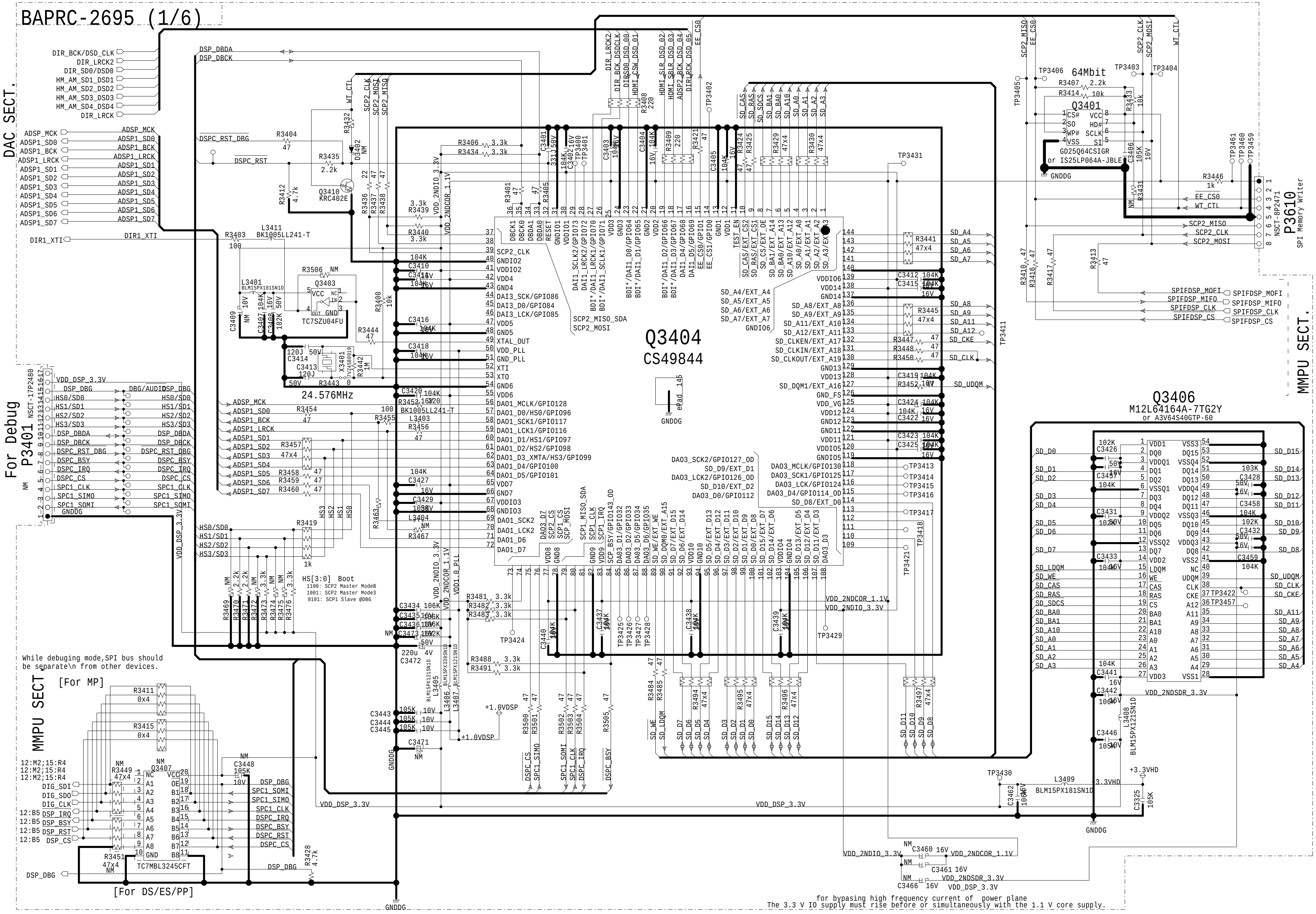
TYPE	T2	T3	H3	T4	H4	V5	V5D	V3	V8
D	---	NPT-1694D	NPT-1694D	NPT-1694D	NPT-1694D	NPT-1694D	NPT-1694D	NPT-1694D	NPT-1694D
M	NPT-1694M	NPT-1694M	NPT-1694M	NPT-1694M	NPT-1694M	NPT-1694M	NPT-1694M	NPT-1694M	NPT-1694M
J	---	NPT-1694J	NPT-1694J	---	---	---	---	---	NPT-1694J

T9002 Rating

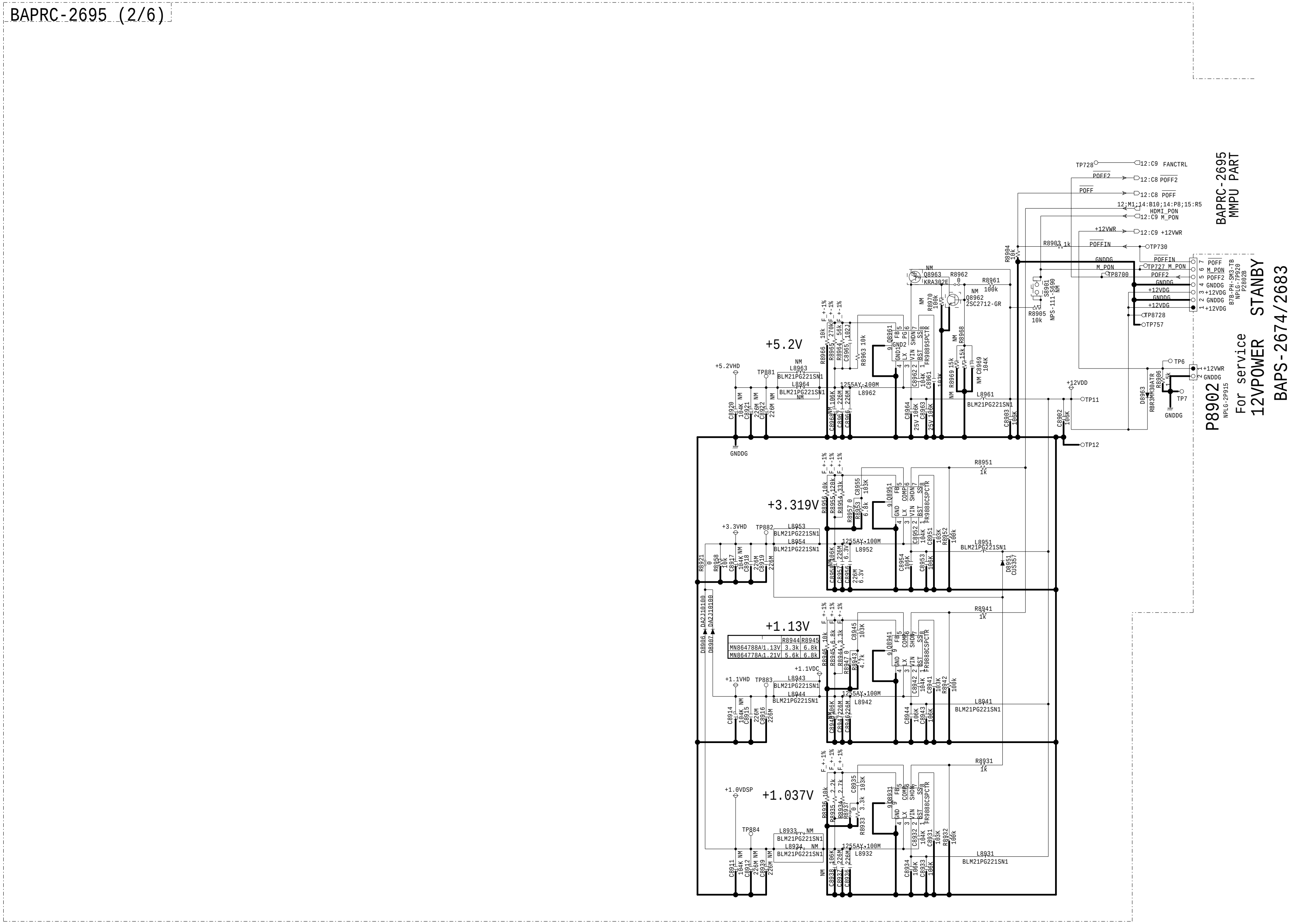
TYPE	
D	NPT-1520JQ
M	NPT-1520GQ
J	NPT-1520JQ


BADIS-2672
DISPLAY
Q7905A (FL)
Q7905 CIG25-1608N
TRANS
NPLG-SP220 P7900
FLAC1
FLAC2
SEC3_1
NC
SEC3_2
J7900 NM
D7900
RL1N4003
D7902 RL1N4003
D7901 RL1N4003
Q7900 INC5001AP1-T111 or 2SC2881-Y
Q7901 NA5001AP1-T111 or KTA1661-Y
L7900 LBC2518T2R2M
R7914 R25J-47 1/4W
Q7902 KRC107S or RN1407
Q7903/7904 or 2SC2712-GR
Q7903 KTC3875-GR
Q7904 KTC3875-GR
GNDDG
C7550 NM
D7750A,D7751A 27191312 (LED)LH-5-5
D7750 R7750 470 QL3P-BB41-M0080 Bluetooth
D7751 R7751 470 QL3P-BB41-M0080 ATMOS
LED_ATMOS_4K
LED_BT_FLOFF
Q7750 KRC105S or DTC123JCAT116
Q7751 KRC105S or DTC123JCAT116
L7901 LBC2518T2R2M
*Q7852 KRA102S or RN2402 or DTA114EKA
or RN1407 or DTC114YKA
*Q7853 KRC107S
*Q7851 KTA1280C-Y112-1
*Q7850 NJM4580CG
MIC
SETUPMIC
*P7850 MSJ-035-05C B AG SR type
AUX
HT-R397 only
*P7800 MSJ-035-05A BAG SR LF NM
P7550
MICOUT
MICDET
MICMUT
AUXL
AUXR
PRC
FROM BAPRC-2695(PART-8)
P7001B NSCT-29P2447
NC
KEY3
NC
LED_ATMOS_4K
KEY2
FLDCLK
REMIN
FLDSDO
GNDDG
FLDCS
+3.3VST
FLDRST
+3.3VDIS
MICMUT
VOLA
MICDET
VOLB
MICOUT
-15VA
AUXR
+15VA
GNDA
LED_BT_FLOFF
AUXL
PON_FL
KEYINT1
KEYINT0
KEY1
KEY0
KEYINT1
KEYINT0
KEY0
KEY1
KEY2
J7721
Q7500 KTC3875-GR
L7500
Master Volume
S7700 クリック無し XRE812504PVB30FINB1-2-24E/I
+3.3S
Q7780 IRM-3638M3S28
REMIN
STANDBY
MUSIC OPT
ZoneA/B
INFO
BD/DVD
GAME
CBL/SAT
STRM BOX
PC
AUX
CD
TV
AM
FM
BLUETOOTH
DOWN
LEFT
UP
RIGHT
RETURN
ENTER
SETUP
DIMMER
Stereo
Movie/TV
Music
TREBLE DOWN
TREBLE UP
VOCAL DOWN
VOCAL UP
BASS DOWN
BASS UP
NPS-111-S681
S7601-7632
NPS-111-S681 or NPS-111-S677(25035714T)

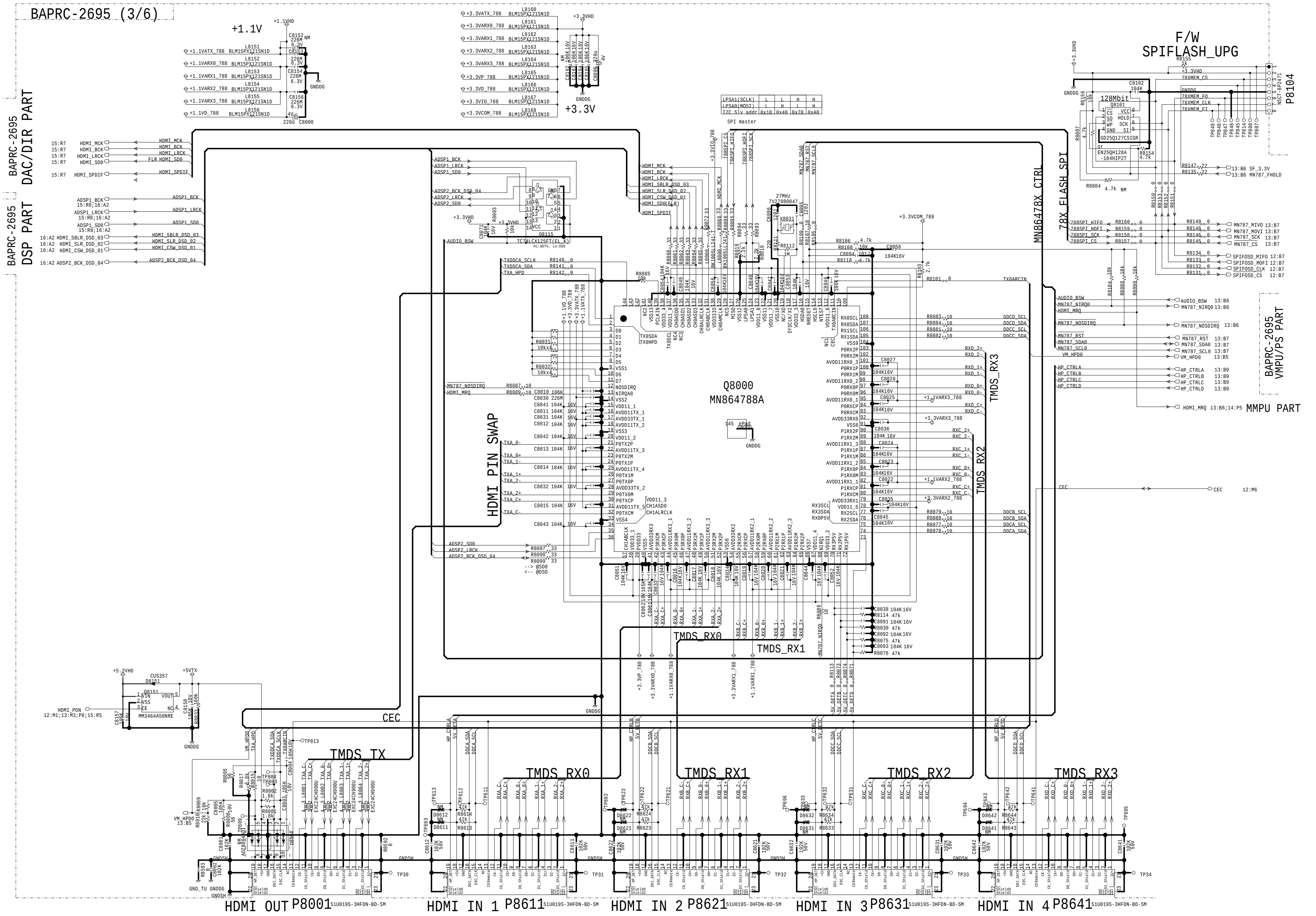

BAETC-2679
HEADPHONE
C7884
102J
50V
P7881
MSJ-064-05A SR
5
4
2
3
7
8
1
GND DG
HPDET
HPR
HP GND
HPL
R7881
330
50V
RS1/2WBJ-330
R7880
330 50V
RS1/2WBJ-330
C7882
221J
100V
UPZ
C7881
221J
100V
UPZ
C7883
102J
63V
NM
C7880
TP7882
4 3 2 1
P7882
TER21-0130V
1 2 3 4 5
P7880A
NPLG-5P220
TO BATRM-2690(PART-4)
TO TRM

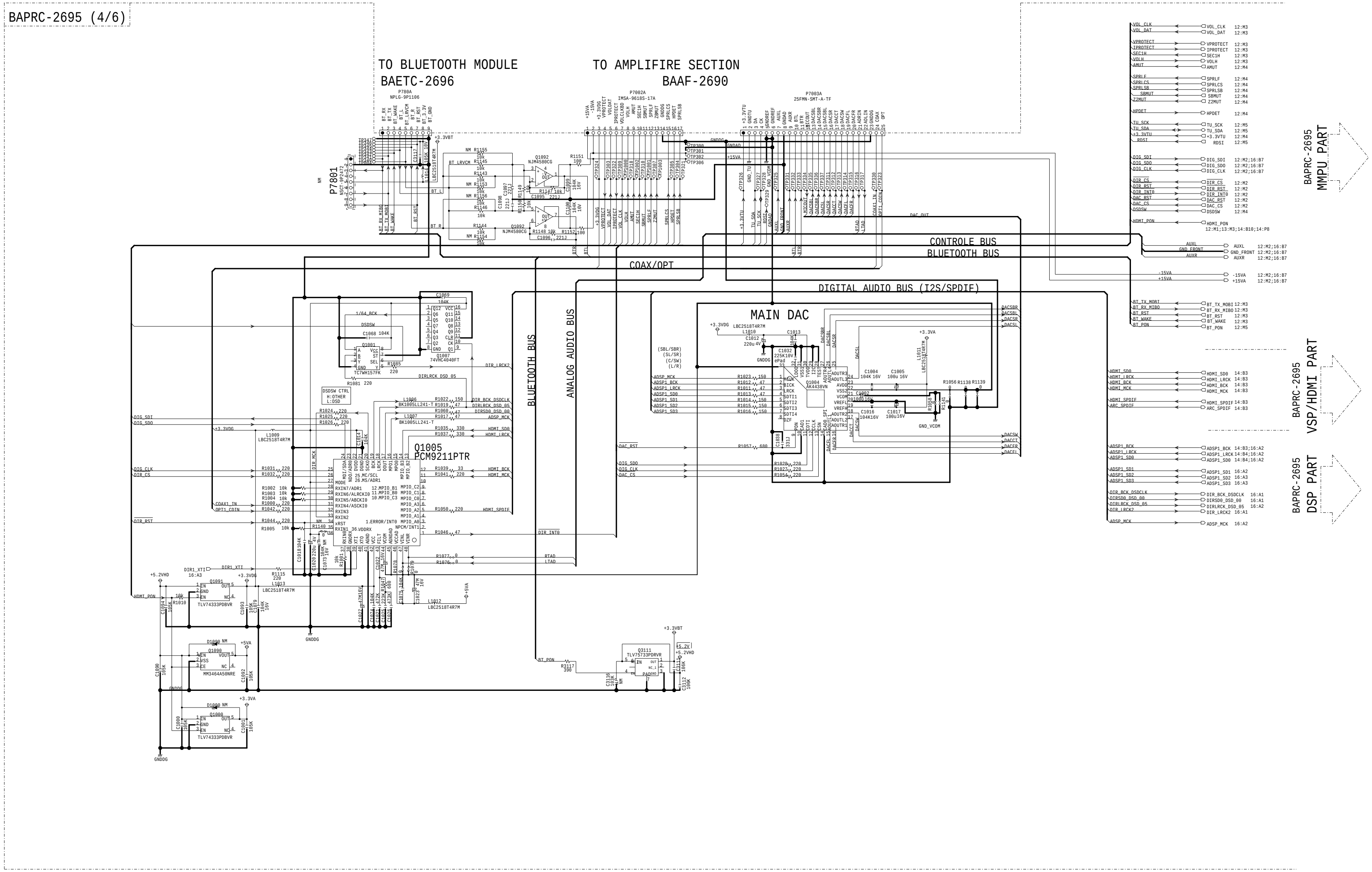

BAPRC-2695 (1/6)
DAC SECT.
For Debug
P3401
MMPU SECT
[For MP]
[For DS/ES/PP]
MMPU SECT.
Q3404
CS49844
Q3406
M12L64164A-7TG2Y
or A3V64S40GTP-60
Q3401
64Mbit
GD25Q64CSIGR
or IS25LP064A-JBLE
P3610
NSCT-8P2471
SPI Memory Writer
Q3403
TC7SZU04FU
Q3407
TC7MBL3245CFT
Q3410
KRC402E
X3401
24.576MHz
HS[3:0] Boot
1100: SCP2 Master ModeB
1001: SCP2 Master Mode3
0101: SCP1 Slave @DBG
While debuging mode,SPI bus should
be separate\n from other devices.
for bypasing high frequency current of power plane
The 3.3 V IO supply must rise before or simultaneously with the 1.1 V core supply.
VDD_DSP_3.3V
VDD_2NDIO_3.3V
VDD_2NDCOR_1.1V
VDD_2NDSDR_3.3V
VDD1.0_PLL
+1.0VDSP
+3.3VHD
GNDDG
DIR_BCK/DSD_CLK
DIR_LRCK2
DIR_SD0/DSD0
HM_AM_SD1_DSD1
HM_AM_SD2_DSD2
HM_AM_SD3_DSD3
HM_AM_SD4_DSD4
DIR_LRCK
ADSP_MCK
ADSP1_SD0
ADSP1_BCK
ADSP1_LRCK
ADSP1_SD1
ADSP1_SD2
ADSP1_SD3
ADSP1_SD4
ADSP1_SD5
ADSP1_SD6
ADSP1_SD7
DIR1_XTI
DSP_DBDA
DSP_DBCK
DSPC_RST_DBG
DSPC_RST
SPIFDSP_MOFI
SPIFDSP_MIFO
SPIFDSP_CLK
SPIFDSP_CS
DIG_SDI
DIG_SDO
DIG_CLK
DSP_IRQ
DSP_BSY
DSP_RST
DSP_CS
DSP_DBG
SCP2_MISO
SCP2_CLK
SCP2_MOSI
EE_CS0
WT_CTL

Power Supply Section



	R8944	R8945
MN864788A 1.13V	3.3k	6.8k
MN864778A 1.21V	5.6k	6.8k


BAPRC-2695 (3/6)
+1.1V
+3.3V
F/W
SPIFLASH_UPG
128Mbit
Q8101
EN25QH128A-104HIP2T
GD25Q127CSIGR
P8104
BAPRC-2695 DAC/DIR PART
BAPRC-2695 DSP PART
HDMI_MCK
HDMI_BCK
HDMI_LRCK
HDMI_SD0
HDMI_SPDIF
ADSP1_BCK
ADSP1_LRCK
ADSP1_SD0
ADSP2_BCK_DSD_04
HDMI_SBLR_DSD_03
HDMI_SLR_DSD_02
HDMI_CSW_DSD_01
Q8115
TC74LCX125FT(EL,K)
SPI master
27MHz
7V27080047
Q8000
MN864788A
HDMI PIN SWAP
MN86478X CTRL
78X FLASH SPI
TMDS_RX3
TMDS_RX2
TMDS_RX1
TMDS_RX0
TMDS_TX
BAPRC-2695 VMPU/PS PART
MMPU PART
AUDIO_BSW
MN787_NIRQ0
HDMI_MRQ
MN787_NOSDIRQ
MN787_RST
MN787_SDA0
MN787_SCL0
VM_HPD0
HP_CTRLA
HP_CTRLB
HP_CTRLC
HP_CTRLD
CEC
HDMI_PON
MM3464A50NRE
+5.2VHD
+5VTX
GNDDG
HDMI OUT
P8001
HDMI IN 1
P8611
HDMI IN 2
P8621
HDMI IN 3
P8631
HDMI IN 4
P8641
51U019S-3HFDN-BD-SM

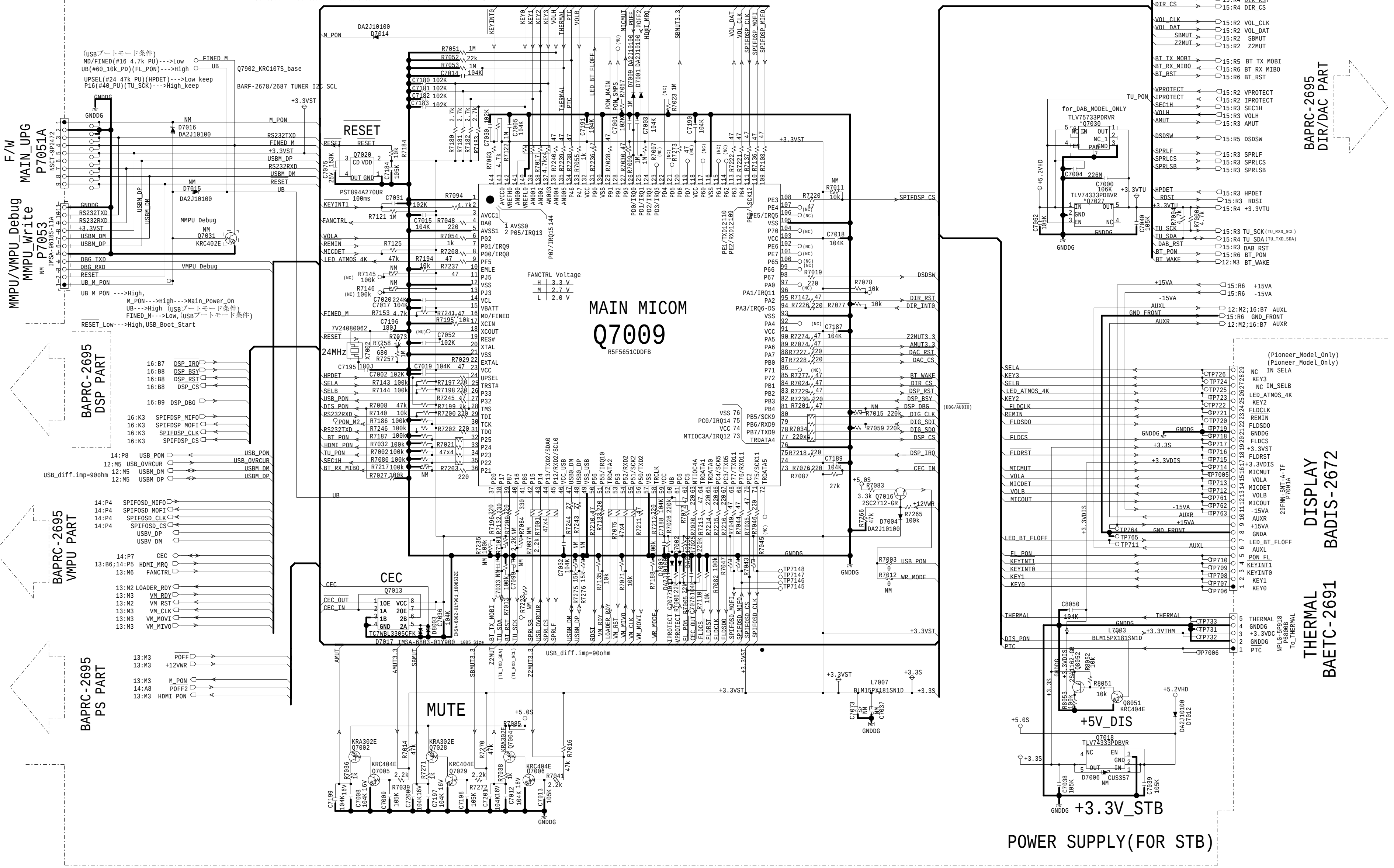

BAPRC-2695 (4/6)
TO BLUETOOTH MODULE
BAETC-2696
P7801
TO AMPLIFIRE SECTION
BAAF-2690
P7002A
P7003A
CONTROLE BUS
BLUETOOTH BUS
COAX/OPT
DIGITAL AUDIO BUS (I2S/SPDIF)
BLUETOOTH BUS
ANALOG AUDIO BUS
MAIN DAC
Q1004
AK4438VN
Q1005
PCM9211PTR
Q1007
74VHC4040FT
Q1001
TC7WH157FK
Q1092
NJM4580CG
Q1091
TLV74333PDBVR
Q1090
MM3464A50NRE
Q3111
TLV75733PDRVR
BAPRC-2695
MMPU PART
BAPRC-2695
VSP/HDMI PART
BAPRC-2695
DSP PART
GNDDG
GND_VCOM

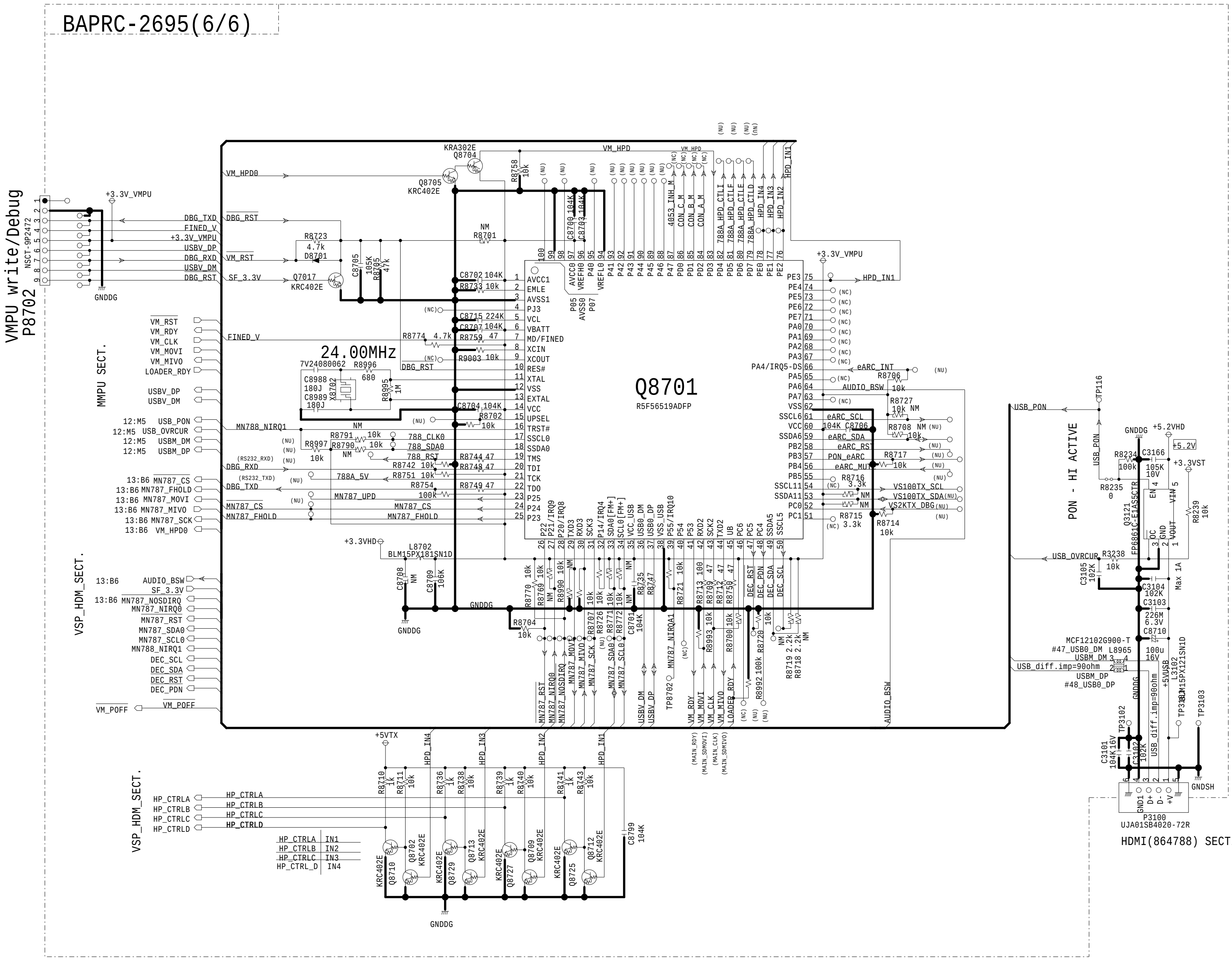
Schematic Diagrams

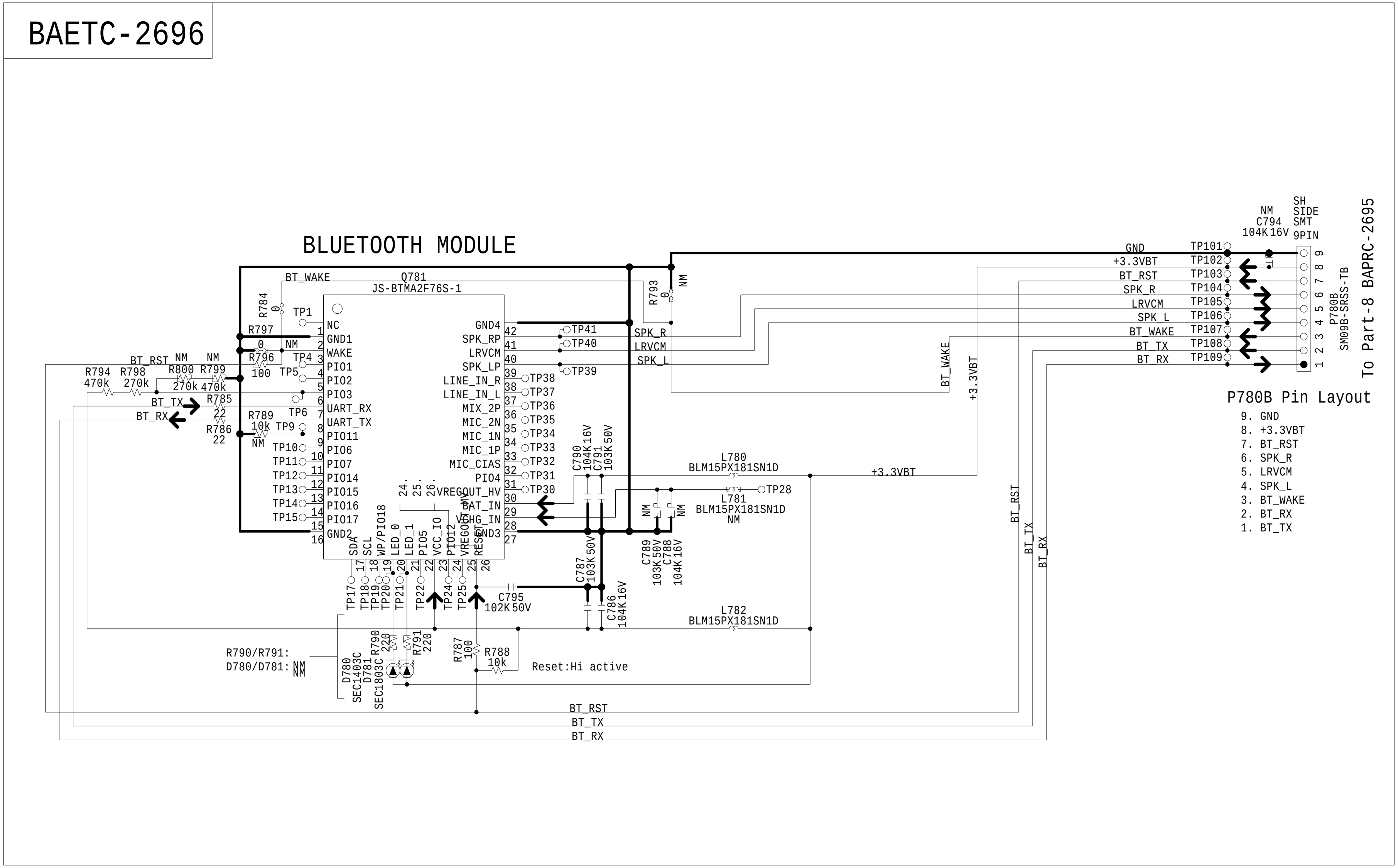
BAPRC-2695(5/6)

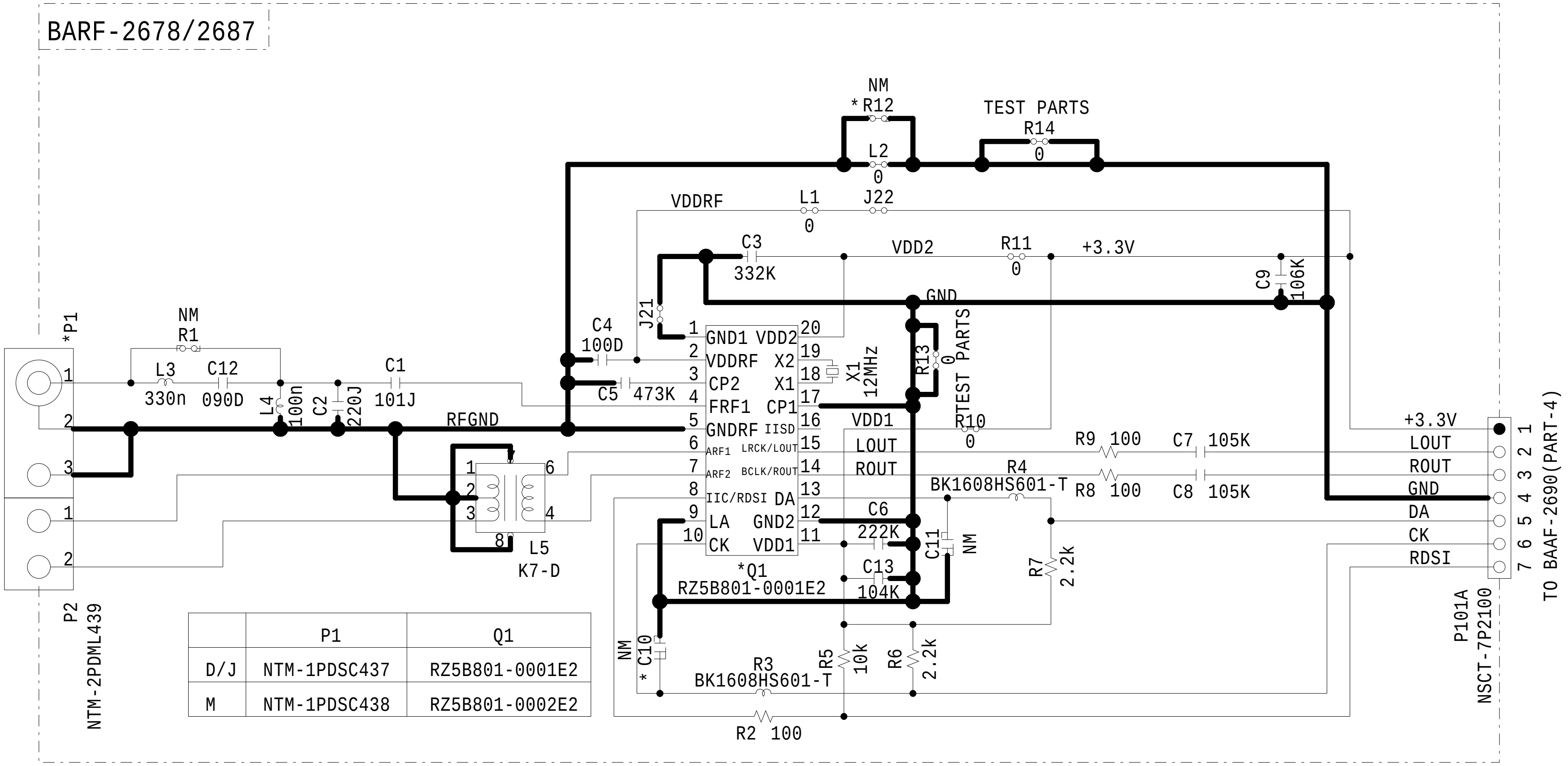
・⚠ 印は火災、感電の危険に関与する部品の為、必ず指定部品を使用の事。
・電圧表示は無信号時に測定した直流電圧を示す。
（単位V、入力抵抗100KΩ/V以上の電圧計）
・記入無き電解コンデンサ（ ）の単位はμF/WVである。
・記入無きコンデンサの単位はpF/50WVである。
例 030→3pF 330→33pF 331→330pF 333→0.033μF
・PWB表示のシンボル図において、太線は部品名印刷側である。
例 印刷側
・本配線図は基本配線図につき性能改善等により予告なく変更する事がある。

・記入無きコンデンサの耐圧は下記である。
容量/耐圧 (PART-10内)
104K/16V
105K/10V
その他/50V




BAPRC-2695(6/6)
VMPU write/Debug
P8702
NSCT-9P2472
+3.3V_VMPU
DBG_TXD
FINED_V
+3.3V_VMPU
USBV_DP
DBG_RXD
USBV_DM
DBG_RST
GNDDG
MMPU SECT.
VM_RST
VM_RDY
VM_CLK
VM_MOVI
VM_MIVO
LOADER_RDY
USBV_DP
USBV_DM
12:M5 USB_PON
12:M5 USB_OVRCUR
12:M5 USBM_DM
12:M5 USBM_DP
13:B6 MN787_CS
13:B6 MN787_FHOLD
13:B6 MN787_MOVI
13:B6 MN787_MIVO
13:B6 MN787_SCK
13:B6 VM_HPD0
VSP_HDM_SECT.
13:B6 AUDIO_BSW
SF_3.3V
13:B6 MN787_NOSDIRQ
MN787_NIRQ0
MN787_RST
MN787_SDA0
MN787_SCL0
MN788_NIRQ1
DEC_SCL
DEC_SDA
DEC_RST
DEC_PDN
VM_POFF
Q8701
R5F56519ADFP
24.00MHz
7V24080062
X8702
KRA302E
Q8704
Q8705
KRC402E
Q7017
KRC402E
L8702
BLM15PX181SN1D
+3.3VHD
+5VTX
HPD_IN1
HPD_IN2
HPD_IN3
HPD_IN4
VM_HPD
eARC_INT
AUDIO_BSW
eARC_SCL
eARC_SDA
eARC_RST
PON_eARC
eARC_MUTE
VS100TX_SCL
VS100TX_SDA
VS2KTX_DBG
USB_PON
PON - HI ACTIVE
TP116
GNDDG
+5.2VHD
+5.2V
+3.3VST
Q3121
FP6861C-E1ASSCTR
USB_OVRCUR
R3238
Max 1A
MCF12102G900-T
#47_USB0_DM L8965
USBM_DM
USBM_DP
#48_USB0_DP
USB_diff.imp=90ohm
L3102
BLM15PX121SN1D
TP3102
TP3103
P3100
UJA01SB4020-72R
GNDSH
HDMI(864788) SECTION #8000-#8100
VSP_HDM_SECT.
HP_CTRLA
HP_CTRLB
HP_CTRLC
HP_CTRLD
HP_CTRLA IN1
HP_CTRLB IN2
HP_CTRLC IN3
HP_CTRL_D IN4
Q8710
Q8702
Q8729
Q8713
Q8727
Q8709
Q8725
Q8712
KRC402E
C8799 104K
GNDDG


BAETC-2696
BLUETOOTH MODULE
Q781
JS-BTMA2F76S-1
NC
GND1
WAKE
PIO1
PIO2
PIO3
UART_RX
UART_TX
PIO11
PIO6
PIO7
PIO14
PIO15
PIO16
PIO17
GND2
GND4
SPK_RP
LRVCM
SPK_LP
LINE_IN_R
LINE_IN_L
MIX_2P
MIC_2N
MIC_1N
MIC_1P
MIC_CIAS
PIO4
VREGOUT_HV
BAT_IN
VCHG_IN
GND3
SDA
SCL
WP/PIO18
LED_0
LED_1
PIO5
VCC_IO
PIO12
VREGOUT_MV
RESET
BT_WAKE
BT_RST
BT_TX
BT_RX
SPK_R
LRVCM
SPK_L
+3.3VBT
GND
R784 0
R797 0
R796 100
R794 470k
R798 270k
R800 270k
R799 470k
R785 22
R786 22
R789 10k
R793 0
NM
L780 BLM15PX181SN1D
L781 BLM15PX181SN1D
L782 BLM15PX181SN1D
C790 104K 16V
C791 103K 50V
C787 103K 50V
C786 104K 16V
C789 103K 50V
C788 104K 16V
C795 102K 50V
C794 104K 16V
R787 100
R788 10k
R790 220
R791 220
D780 SEC1403C
D781 SEC1803C
R790/R791:
D780/D781: NM
Reset:Hi active
TP1 TP4 TP5 TP6 TP9 TP10 TP11 TP12 TP13 TP14 TP15
TP17 TP18 TP19 TP20 TP21 TP22 TP24 TP25 TP28
TP30 TP31 TP32 TP33 TP34 TP35 TP36 TP37 TP38 TP39 TP40 TP41
TP101 TP102 TP103 TP104 TP105 TP106 TP107 TP108 TP109
SH SIDE SMT 9PIN
P780B
SM09B-SRSS-TB
To Part-8 BAPRC-2695
P780B Pin Layout
9. GND
8. +3.3VBT
7. BT_RST
6. SPK_R
5. LRVCM
4. SPK_L
3. BT_WAKE
2. BT_RX
1. BT_TX

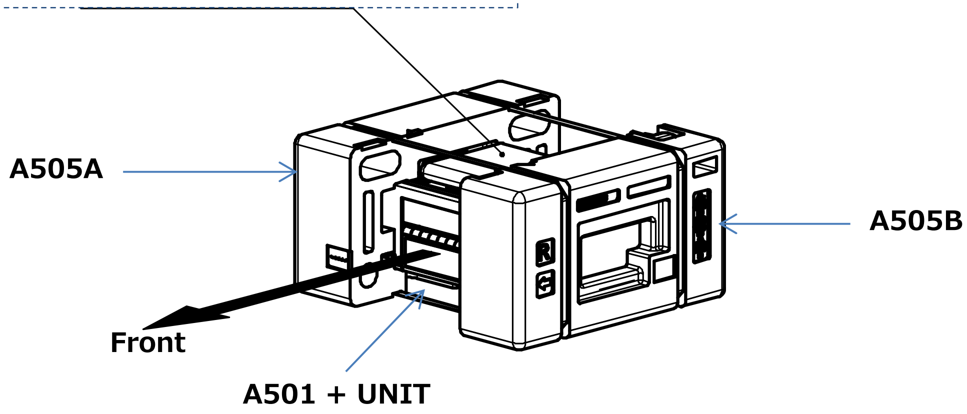


	P1	Q1
D/J	NTM-1PDSC437	RZ5B801-0001E2
M	NTM-1PDSC438	RZ5B801-0002E2

Packing

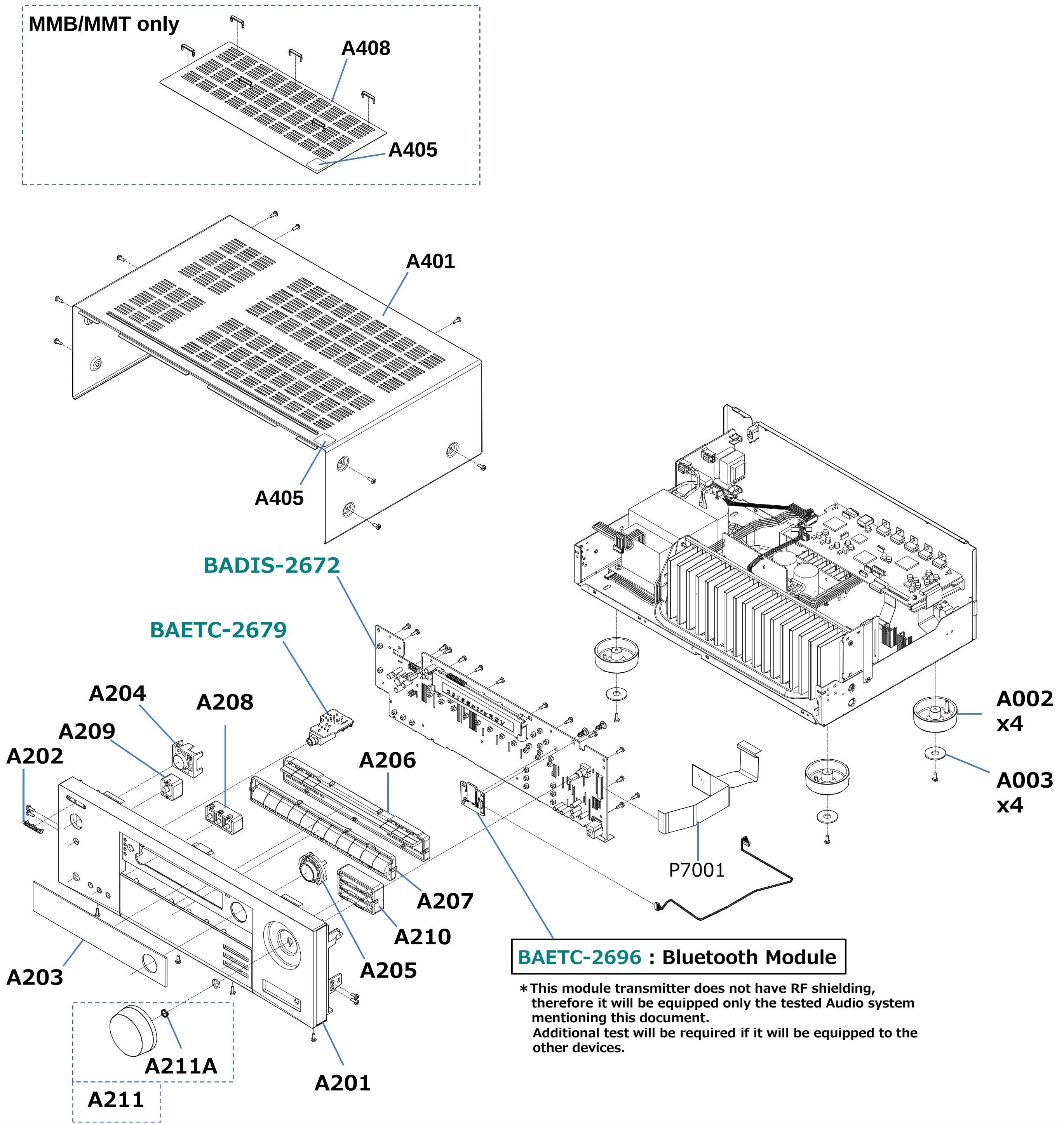
Exploded Views

A801	POLY BAG,(W250xD350)LDPE
A803	REMOTE CONTROL TRANSMITTER,RC-970R
A804	BATTERY,R03/AAA(UM-4)
A806	MIC
A807	AM LOOP ANTENNA
A808	FM ANT AS
A901	WARRANTY CARD (MDC only)
A911	INSTRUCTION MANUAL, QSG_U3(HTR495) (MDC only)
A911	INSTRUCTION MANUAL, QSG_U8(HTR495) (Except MDC)
A912	INSTRUCTION MANUAL, QSG_Ar(HTR495) (MMB only)
A913	INSTRUCTION MANUAL, SAFETY_U4(2019Low-ONK) (MDC only)
A913	INSTRUCTION MANUAL, SAFETY_U9(2019Low-ONK) (Except MDC)



Overall

Exploded Views



BAETC-2696 : Bluetooth Module

＊This module transmitter does not have RF shielding, therefore it will be equipped only the tested Audio system mentioning this document.
Additional test will be required if it will be equipped to the other devices.

＊WiFi & Bluetooth Module has already been certificated by FCC and IC.
Information to the user.
Indicate “Contains FCC ID: UOW-AB152X”, “Contains IC: 6777A-AB152X” and following information to the host device installed.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Describe the following sentence to a user's manual of the host device.

[For FCC]
FCC CAUTION
Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person’s body (excluding extremities: hands, wrists, feet and ankles).

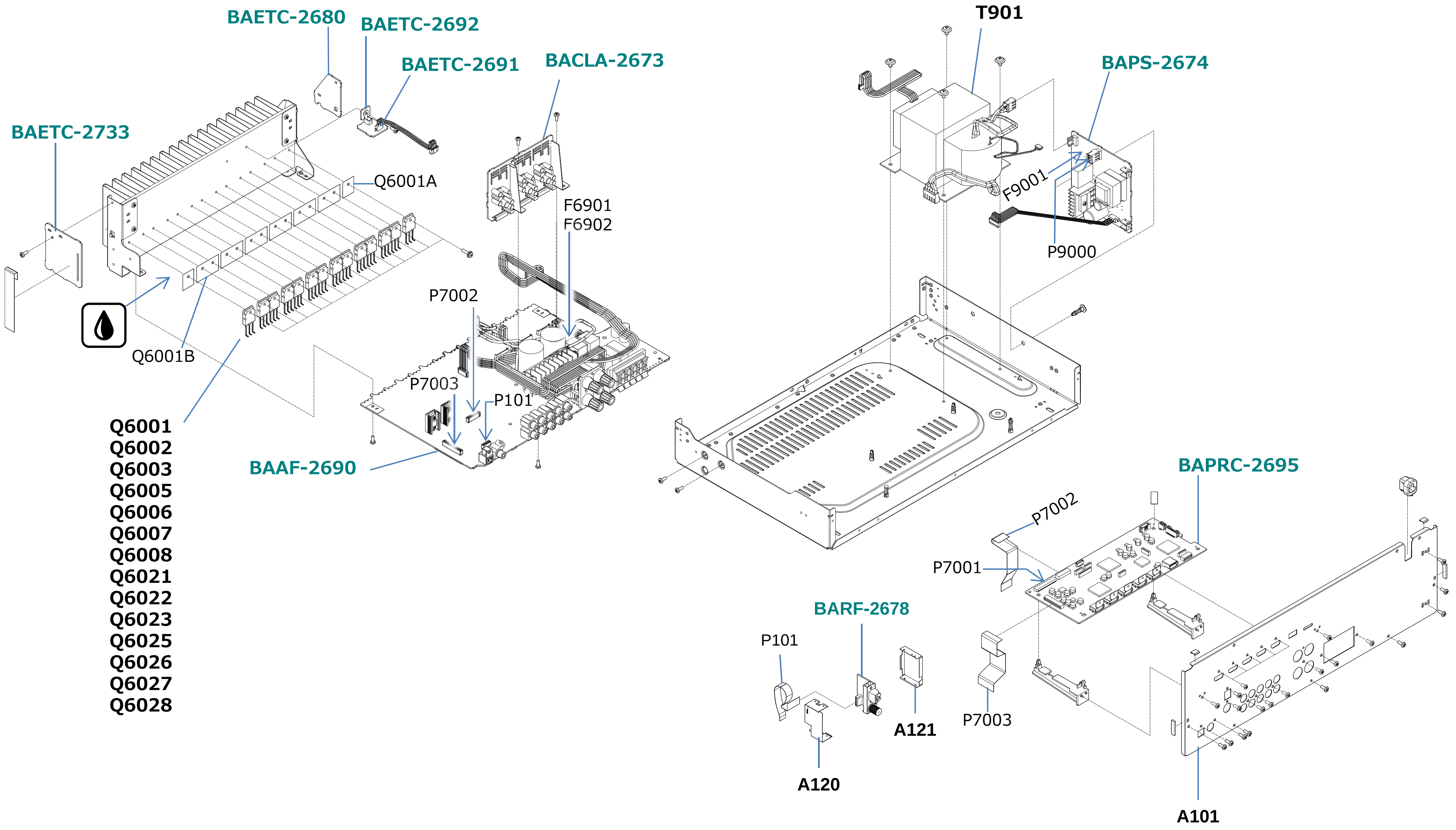
[For IC]
CAN ICES-3 B/NMB-3 B

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts dlicence.
L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person’s body (excluding extremities:hands, wrists, feet and ankles).
Cet équipement est conforme aux limites d’exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d’exposition aux fréquences radioélectriques (RF) CNR-102 de l’IC. Cet équipement émet une énergie RF très faible qui est considérée conforme sans évaluation de l’exposition maximale autorisée. Cependant, cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l’exception des extrémités : mains, poignets, pieds et chevilles).

Rear, Amp.


BAETC-2680
BAETC-2692
BAETC-2691
BACLA-2673
T901
BAPS-2674
BAETC-2733
Q6001A
F6901
F6902
F9001
P9000
P7002
Q6001B
P7003
P101
Q6001
Q6002
Q6003
Q6005
Q6006
Q6007
Q6008
Q6021
Q6022
Q6023
Q6025
Q6026
Q6027
Q6028
BAAF-2690
BAPRC-2695
P7002
P7001
BARF-2678
P101
A121
P7003
A120
A101

Notation button operation

Use the following expressions to simplify the description of the button operation.

Example 1)

[A] + [B] → [C]

This means "While holding down [A] button, press [B] button then release both buttons and then press [C] button".

Example 2)

[A] + [B] x 2 → [C]

This means "While holding down [A] button, press [B] button twice then release both buttons and then press [C] button".

Reset & Store Recall User Parameter Value Data

Step1: STORE (To save user preferences.)

[SETUP] + [ENTER] x 2

	S	e	t	u	p		S	t	o	r	e	?	

↓

S	e	t	u	p		S	t	o	r	i	n	g	

↓

			C	o	m	p	l	e	t	e			

Step2: RESET

1. Set Volume 40
2. [TV] + [ON/STANDBY] → [ENTER]
3. [ON/STANDBY]

		A	l	l	C	l	e	a	r				

↓

※) ”All Clear” appears on the display and the unit returns to standby. Do not unplug the power cord until “All Clear” disappears from the display.

Step3: RECALL (To load user preferences.)

[SETUP] + [RETURN] x 2

S	e	t	u	p		R	e	c	a	l	l	?	

↓

S	e	t	u	p	R	e	c	a	l	l	i	n	g

↓

			C	o	m	p	l	e	t	e			

MAIN Checksum Verification

[DIMMER] + [ON/STANDBY] x 2 → [ENTER]

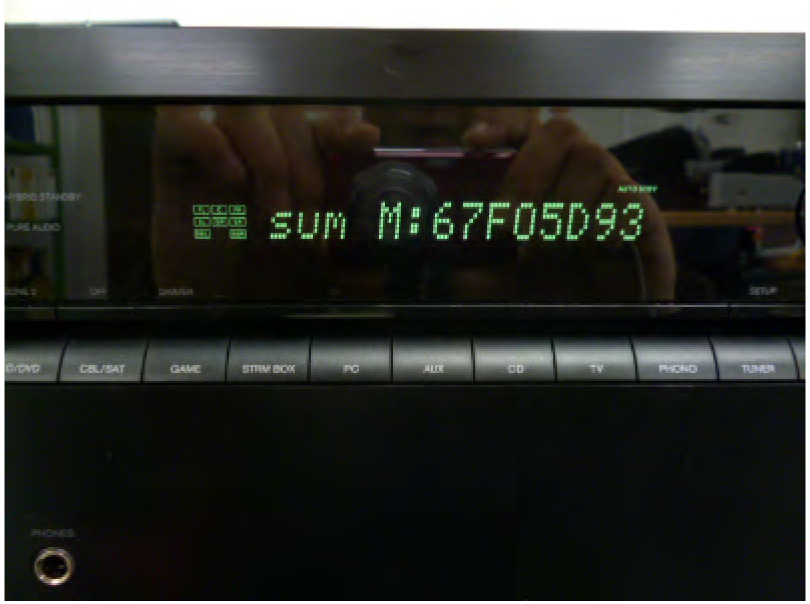
Or use service mode function. Please see this section.

Display checksum as below.

s	u	m		M	:	x	x	x	x	x	x	x	x

“xxxxxxxx” is checksum of Main MCU.

Make sure Checksum after firmware update



Key Operation Check

This test is each key(button) is working normally or not.

Setp1: Set volume 40

Setp2: [TV] + [ON/STANDBY]

		T	E	S	T		_	-					

This Segment is blinked

Setp3: Push [BD/DVD]

		T	E	S	T		1	-	0	0			

Step4: Push [TUNING UP] x 5 and select “TEST 1-06”

		T	E	S	T		1	-	0	6			

↓

K	E	Y		T	E	S	T		M	O	D	E	

↓

			K	E	Y		O	F	F				

Step5: When you push Each key(button).

The FL tube shows each key name.

		B	L	U	E	T	O	O	T	H			

Above sample: Push [BLUETOOTH] key.

Step6: Push [ON/STANDBY] key

			O	n	/	S	t	d	b	y			

Step7: Push [BD/DVD] key for exit key operation check mode(1-06)

And return “TEST 1-00”

		T	E	S	T		1	-	0	0			

Setp8: Push [ON/STANDBY] key for “ALL Clear” reset

and go to standby mode.

		A	l	l	C	l	e	a	r				

↓

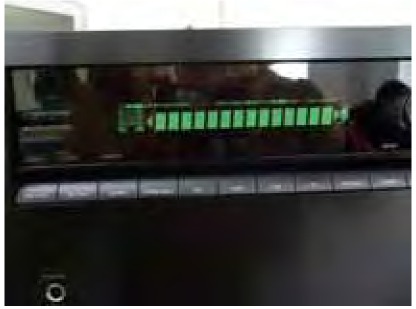
Check FL Tube and LED

[TV] + [ON/STANDBY] → [ENTER]

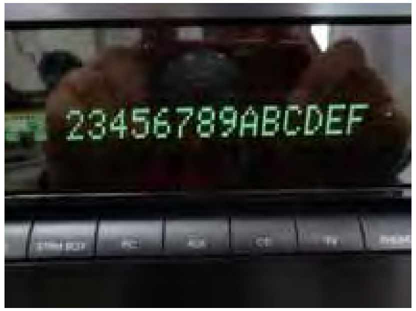
Confirm that all LEDs and all segments of FL tube are lit.

Step1: Set Volume 40

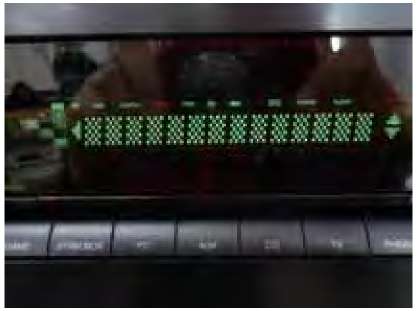
Step2: [TV] + [ON/STANDBY] → [ENTER]



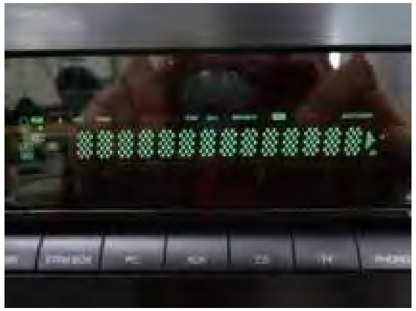
Step3: Push [↑]



Step4: Push [↑]

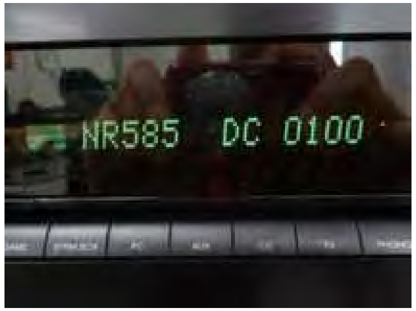


Step5: Push [↑]



Step6: Push [↑]

The Unit shows “Model & Destination”



Step7: Push [ON/STANDBY] and all clear reset.

The unit will enter standby mode.

Enter Service mode

How to enter to service mode.

Step1 :

[DIMMER] + [ON/STANDBY] x 2

M1.xx / xxxxxAEx

The version of main microprocessor.
(displayed only for 3 seconds)

Step2 :

[SETUP] or [HOME]

1. Service

Step3:

Follow this Tree operation for each service mode.

How to exit the service mode.

Please press the [*ANY INPUT SELECTOR*]

Normal display

How to clear Protect Data

Step1:

Select “ProtectDataCLR” from this tree

Protect Data CLR ⇄ Clear:[ENTER]

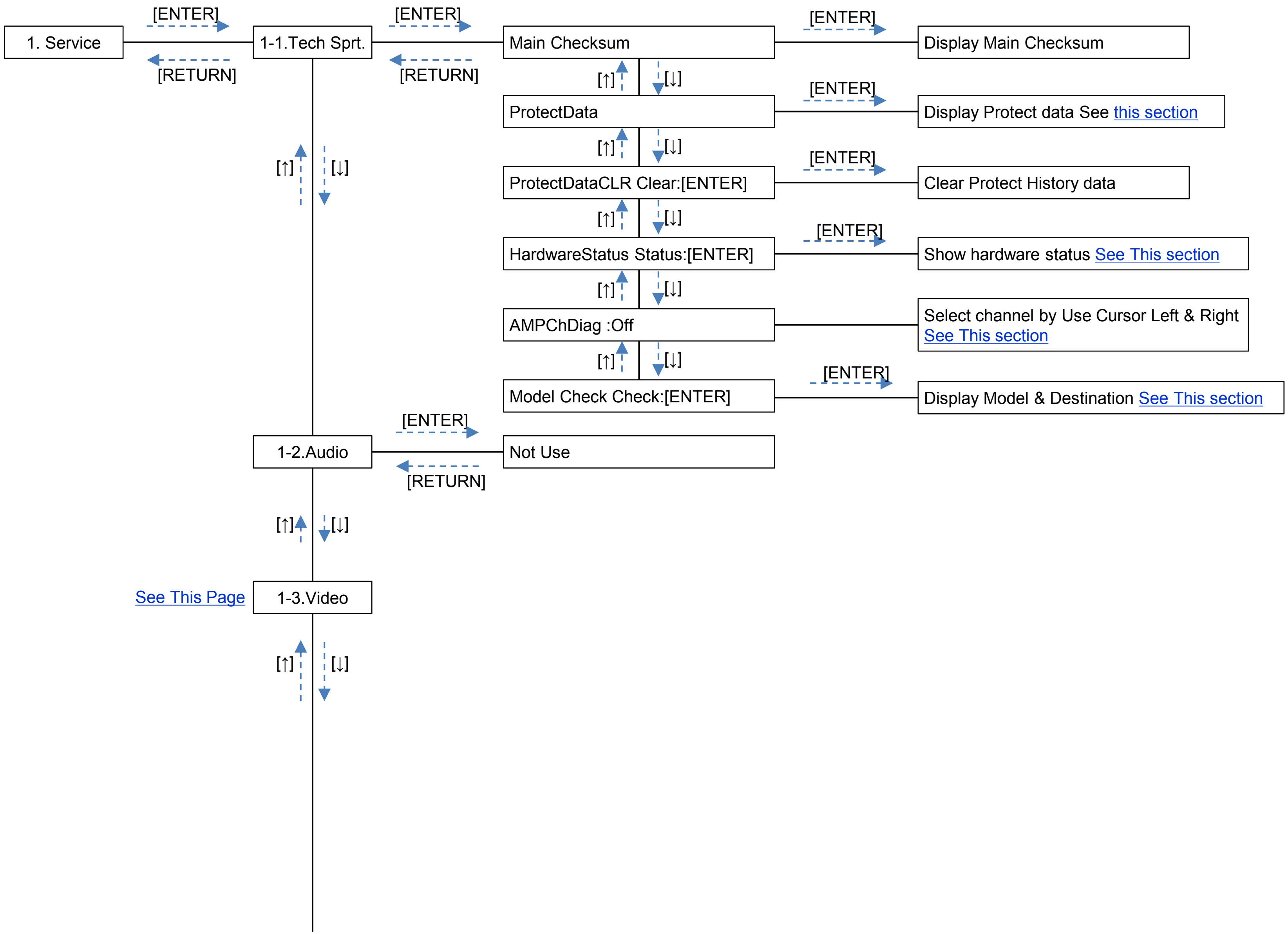
Step2:

Press [ENTER] button
After display “DATA Cleared!”, It will be data reset and go to normal mode.

DataCleared!

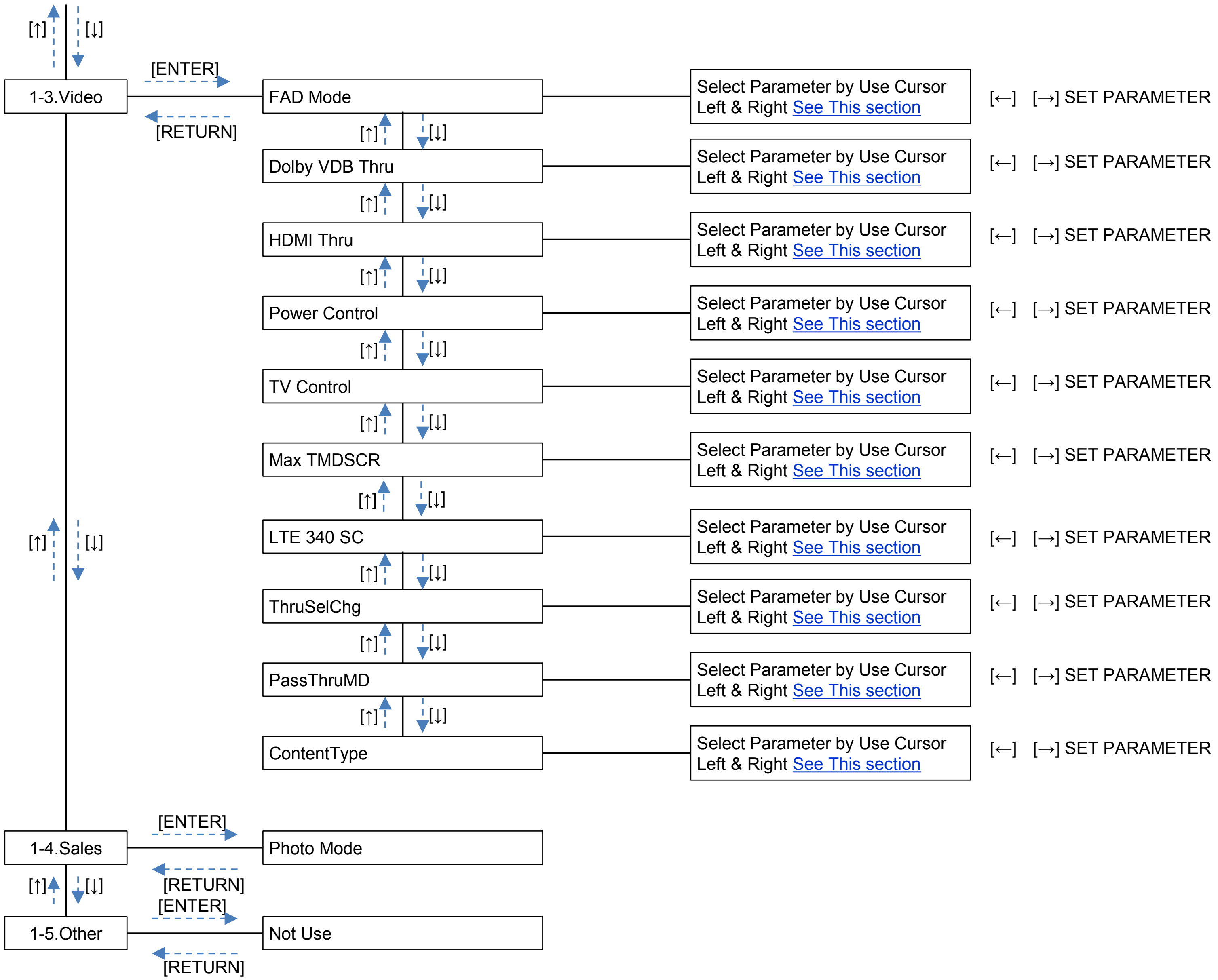
Service Mode Tree 1/2

Service Mode Tree


1. Service
[ENTER]
[RETURN]
1-1.Tech Sprt.
[ENTER]
[RETURN]
Main Checksum
[ENTER]
Display Main Checksum
[↑]
[↓]
ProtectData
[ENTER]
Display Protect data See this section
ProtectDataCLR Clear:[ENTER]
[ENTER]
Clear Protect History data
HardwareStatus Status:[ENTER]
[ENTER]
Show hardware status See This section
AMPChDiag :Off
Select channel by Use Cursor Left & Right
See This section
Model Check Check:[ENTER]
[ENTER]
Display Model & Destination See This section
1-2.Audio
[ENTER]
[RETURN]
Not Use
See This Page
1-3.Video

Service Mode Tree 2/2

Service Mode Tree



Describe Service Mode (1-1Tech Sprt)

1. **Main Checksum**

If you press [ENTER] button, It will display main MCU checksum.

sum M:xxxxxxxx

xxxxxxxx: checksum of Main MCU

2. **Protect Data**

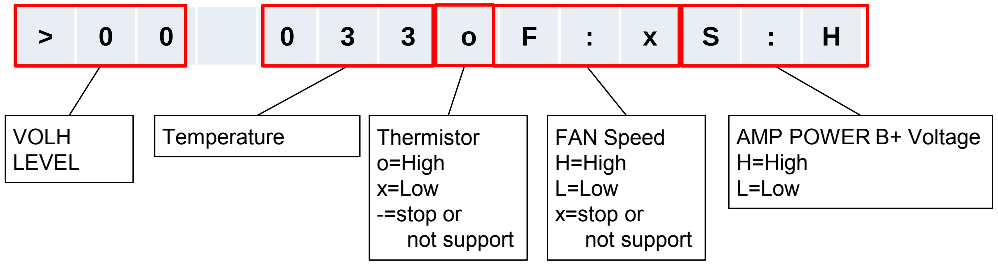
If you press [ENTER] button, it will display Protect history data
Please refer this section and you can find how to operate at this section

3. **ProtectDataCLR**

If you press [ENTER] button, the device's all error history will be cleared.
After cleared the history, the device will be normal operation mode.

4. **HardwareStatus**

If you press [ENTER] button, the device shows Hardware status.



> 0 0   0 3 3 o F : x S : H

VOLH LEVEL

Temperature

Thermistor
o=High
x=Low
-=stop or not support

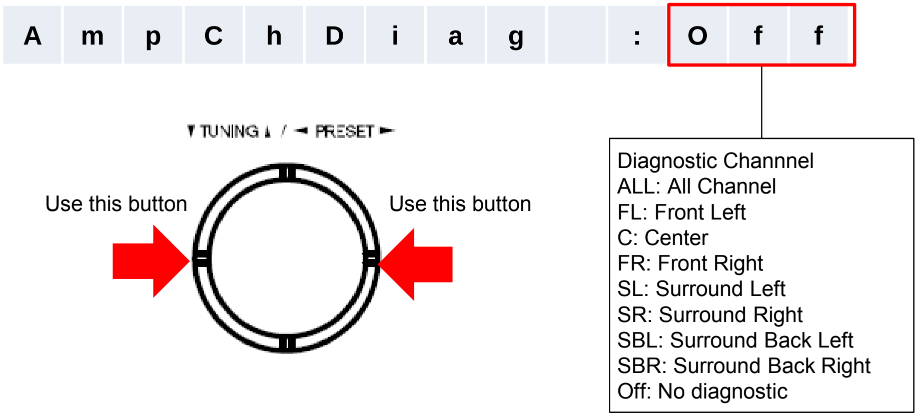
FAN Speed
H=High
L=Low
x=stop or not support

AMP POWER B+ Voltage
H=High
L=Low

5. **AmpChDiag**

You can setup diagnostic test channel

Step1: Select tested channel
You can select the test channel by cursor Left & Right.



A m p C h D i a g   : O f f

Diagnostic Channnel
ALL: All Channel
FL: Front Left
C: Center
FR: Front Right
SL: Surround Left
SR: Surround Right
SBL: Surround Back Left
SBR: Surround Back Right
Off: No diagnostic

Step2: Press [ON.STANDBY] button for enter standby mode

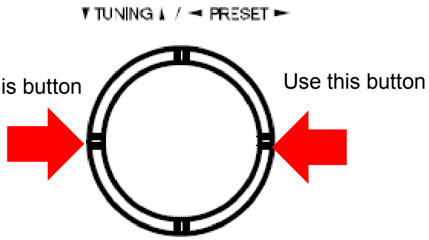
Step3: Press [ON.STANDBY] button again for turn on the device and It will be running diagnostic automatically

6. **Model Check**

If you press [ENTER] button, You can make sure model & destination setting
Please refer this table

Describe Service Mode (1-3 Video) 1/2

If you use this function, you can select each parameter by use press [Cursor Left] and [Cursor Right] button.



1. **FAD Mode**
The unit send HDCP authentication notice to Synchronism device(TV)
It has possibility of TV noise screen by timing of the HDCP communication.
If you have the claim from customer, you can test & fix the problem of no screen on TV

F	A	D		M	O	D	E			:	H	D	B

HDB: Default
On1: 400ms delay
On2: 1200ms delay
On3: 2700ms delay

2. **DOLBY VDB Thru**
If the synchronism device(TV) is supported Dolby Vision,
The unit can send the signal of Dolby vision repeatable.

D	D	V	D	B		T	h	r	u	:	O	f	f

On: Default
Off: Keep EDID of Dolby info.

3. **HDMI Thru**
If the TV will power off when the standby-thru at the unit CEC working,
the AVR completely power off. The default setting should be 1 minute.
In fact, When the TV will be off at standby-thru mode, the unit should be power off at one minute later.

H	D	M	I		T	h	r	u		:		1	m

This is debug mode, No necessary to use at the user claim.

OFF: Default=1 munites.
1s – 15m: 10sec – 15minutes

3. **Power Control**
This mode just only appeared by set HDMI CEC on.
When it is set CEC-ON, The TV power off interlock unable or not.

P	o	w	e	r		C	t	r	l	:		O	n

On: Enable(Default)
Off: Disable

5. **TV Control**
This mode just only appeared by set HDMI CEC on.
When it is set CEC-ON, The TV speaker interlock unable or not.

T	V		C	t	r	l				:		O	n

On: Enable(Default)
Off: Disable

6. **Max TMDSCR**
The AVR (2015later) support 4K60p Max Pixel clock at 600MHz that means support 6GHz
It the TV support pixel clock up to 6GHz,
The AVR pass through 4K60p video signal repeatable.
This function that inform to the TV limit 3GHz. But the data is 6GHz.
If the customer's TV can support 6GHz but the screen does not show any display,
You can test this function OK or not.

T	V		C	t	r	l				:		O	n

600: 600MHz(Default)
300: 300MHz

Describe Service Mode (1-3 Video) 2/2

7. LTE 340 SC

The TDMS clock is over 340MHz video input signal is enable scramble function
It is possible to send the signal stable at the over 340MHz TMDS clock.
When it is enable this function, it is enable scramble function at the under 340MHz TMDS clock signal.

L	T	E		3	4	0		S	C	:	O	f	f

Off: Disable(Default)
On: Enable

7. Thru Sel Change

Enable selector switching by remote control during standby through in ONKYO model.
Standby Sleep - Sets the validity / invalidity of selector switching by remote control while keeping state.

T	h	r	u	S	e	l	C	h	g	:	M	D	1

MD1: Enable selector switching by remote control only when Standby Thru setting is Last.
MD2: Standby Thru enables selector switching by the remote control not only when the setting is Last but also when the selector is specified.

MD1: Mode1(Default)
MD2: Mode2
Off: Disable

7. Pass thru MD

The monitor Out or Sub out with disable HDMI-CEC function,
It should be power down function setting at the standby-thru mode.

P	a	s	s	T	h	r	u	M	D	:	O	f	f

No necessary user this function at the user claim

Off:
On:

8. Content Type

It is a setting whether or not to convey the four types of content information of Graphics / Photo / Cinema / Game sent from Player to the TV.

P	a	s	s	T	h	r	u	M	D	:	O	f	f

On: Enable send the information from Player to TV.
Off: Disable this function.

On: Enable (Default)
Off: Disable

No necessary user this function at the user claim

Describe Service Mode (1-4 Sales)

1. Photo mode
   This mode for sample display for taking photo.

Photo Mode ⇄ Push:[Enter]

Press [ENTER]

↓

Dolby TrueHD

Enter Service mode

How to enter to service mode.

Step1 :
[DIMMER] + [ON/STANDBY] x 2

M1.xx / xxxxxAEx

The version of main microprocessor.
(displayed only for 3 seconds)

Step2 :
[SETUP] or [HOME]

1. Service

Step3:
Follow this Tree operation for each service mode.

How to exit the service mode.

Please press the [*ANY INPUT SELECTOR*]

Normal display

How to clear Protect Data

Step1:
Select “ProtectDataCLR” from this tree

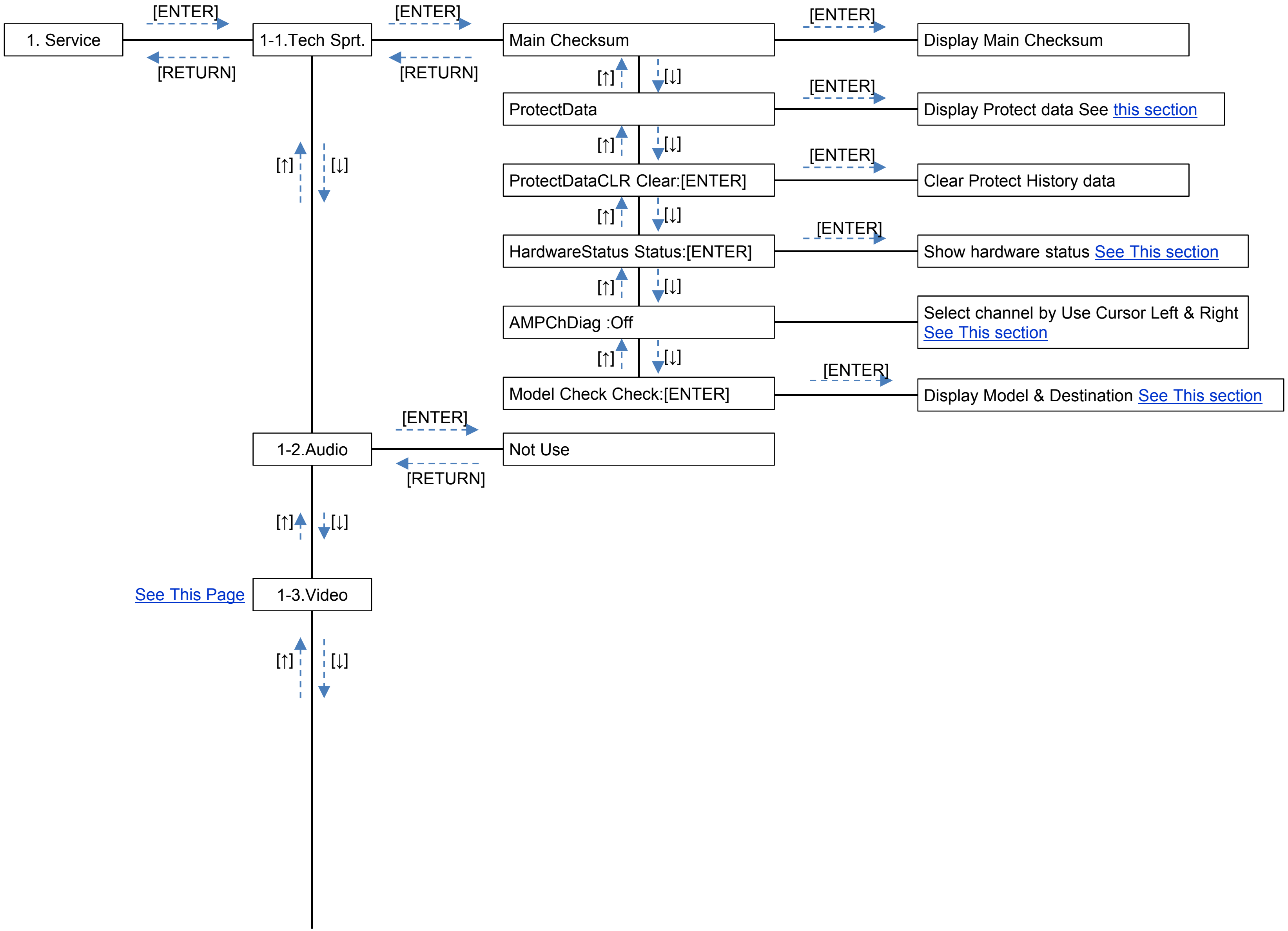
Protect Data CLR ⇄ Clear:[ENTER]

Step2:
Press [ENTER] button
After display “DATA Cleared!”, It will be data reset and go to normal mode.

DataCleared!

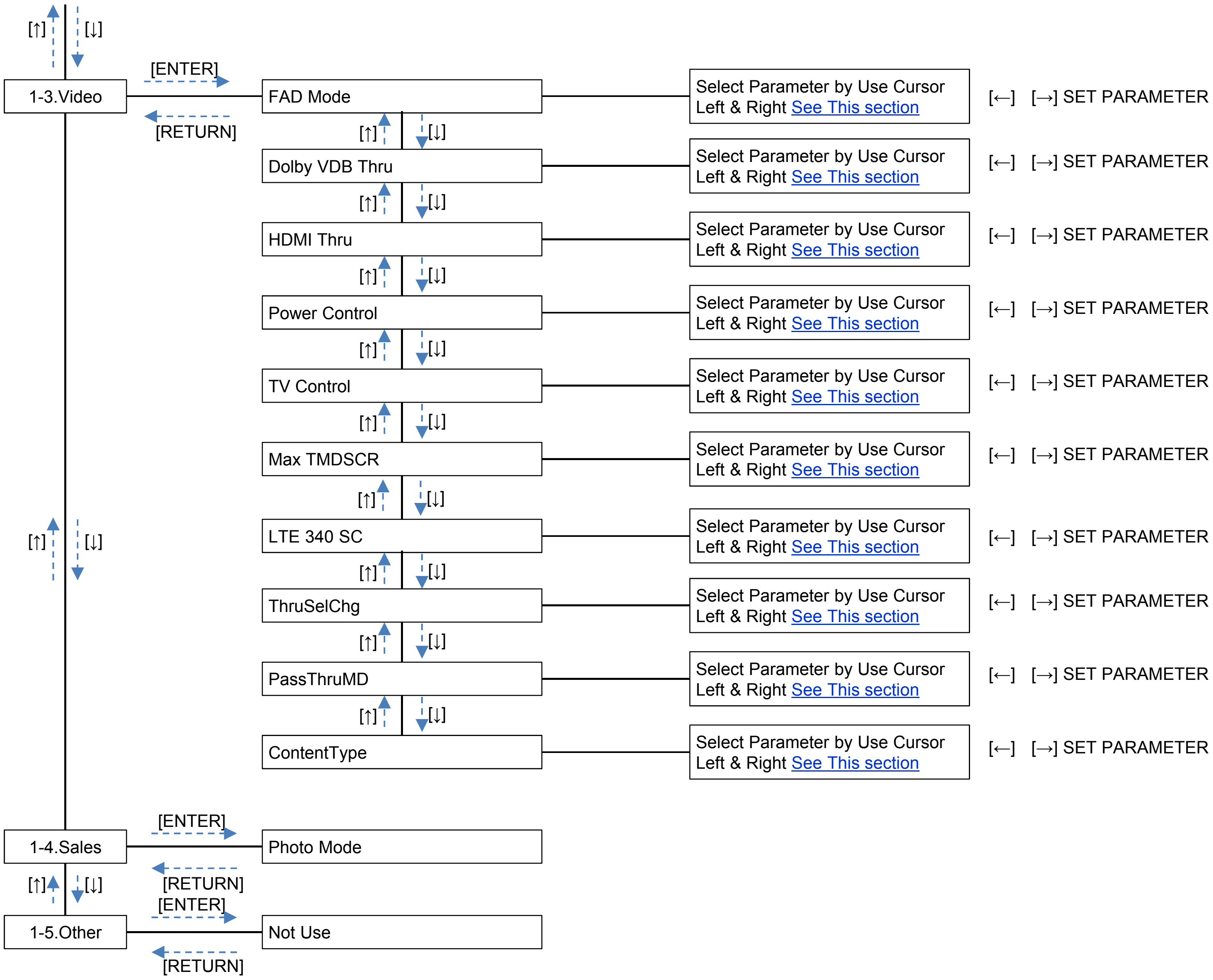
Service Mode Tree 1/2

Service Mode Tree


1. Service
[ENTER]
[RETURN]
1-1.Tech Sprt.
[ENTER]
[RETURN]
Main Checksum
[ENTER]
Display Main Checksum
[↑]
[↓]
ProtectData
[ENTER]
Display Protect data See this section
[↑]
[↓]
ProtectDataCLR Clear:[ENTER]
[ENTER]
Clear Protect History data
[↑]
[↓]
HardwareStatus Status:[ENTER]
[ENTER]
Show hardware status See This section
[↑]
[↓]
AMPChDiag :Off
Select channel by Use Cursor Left & Right See This section
[↑]
[↓]
Model Check Check:[ENTER]
[ENTER]
Display Model & Destination See This section
[↑]
[↓]
1-2.Audio
[ENTER]
[RETURN]
Not Use
[↑]
[↓]
See This Page
1-3.Video
[↑]
[↓]

Service Mode Tree 2/2

Service Mode Tree


[↑]
[↓]
[ENTER]
1-3.Video
[RETURN]
FAD Mode
Select Parameter by Use Cursor Left & Right See This section
[←] [→] SET PARAMETER
[↑]
[↓]
Dolby VDB Thru
Select Parameter by Use Cursor Left & Right See This section
[←] [→] SET PARAMETER
[↑]
[↓]
HDMI Thru
Select Parameter by Use Cursor Left & Right See This section
[←] [→] SET PARAMETER
[↑]
[↓]
Power Control
Select Parameter by Use Cursor Left & Right See This section
[←] [→] SET PARAMETER
[↑]
[↓]
TV Control
Select Parameter by Use Cursor Left & Right See This section
[←] [→] SET PARAMETER
[↑]
[↓]
Max TMDSCR
Select Parameter by Use Cursor Left & Right See This section
[←] [→] SET PARAMETER
[↑]
[↓]
LTE 340 SC
Select Parameter by Use Cursor Left & Right See This section
[←] [→] SET PARAMETER
[↑]
[↓]
ThruSelChg
Select Parameter by Use Cursor Left & Right See This section
[←] [→] SET PARAMETER
[↑]
[↓]
PassThruMD
Select Parameter by Use Cursor Left & Right See This section
[←] [→] SET PARAMETER
[↑]
[↓]
ContentType
Select Parameter by Use Cursor Left & Right See This section
[←] [→] SET PARAMETER
[↑]
[↓]
[ENTER]
1-4.Sales
Photo Mode
[RETURN]
[↑]
[↓]
[ENTER]
1-5.Other
Not Use
[RETURN]

Describe Service Mode (1-1Tech Sprt)

1. Main Checksum

If you press [ENTER] button, It will display main MCU checksum.

`sum M:xxxxxxxx` xxxxxxxx: checksum of Main MCU

2. Protect Data

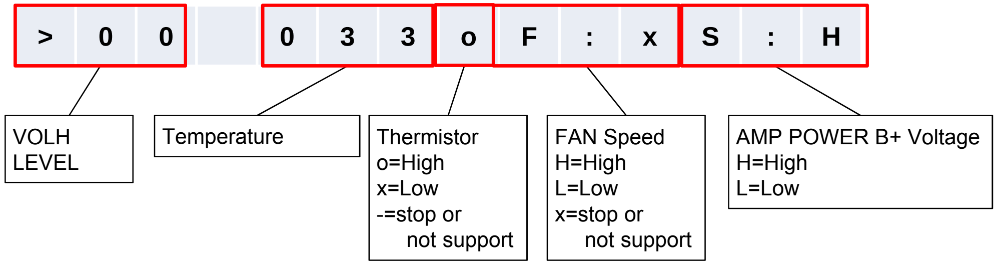
If you press [ENTER] button, it will display Protect history data
Please refer this section and you can find how to operate at this section

3. ProtectDataCLR

If you press [ENTER] button, the device's all error history will be cleared.
After cleared the history, the device will be normal operation mode.

4. HardwareStatus

If you press [ENTER] button, the device shows Hardware status.



`> 0 0   0 3 3 o F : x S : H`

VOLH LEVEL

Temperature

Thermistor
o=High
x=Low
-=stop or not support

FAN Speed
H=High
L=Low
x=stop or not support

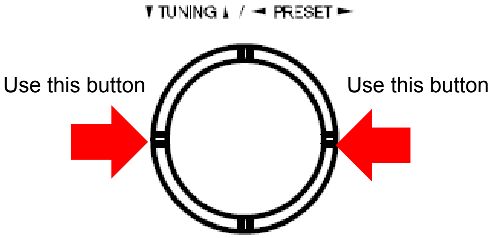
AMP POWER B+ Voltage
H=High
L=Low

5. AmpChDiag

You can setup diagnostic test channel

Step1: Select tested channel
You can select the test channel by cursor Left & Right.

`A m p C h D i a g   : O f f`



Diagnostic Channnel
ALL: All Channel
FL: Front Left
C: Center
FR: Front Right
SL: Surround Left
SR: Surround Right
SBL: Surround Back Left
SBR: Surround Back Right
Off: No diagnostic

Step2: Press [ON.STANDBY] button for enter standby mode

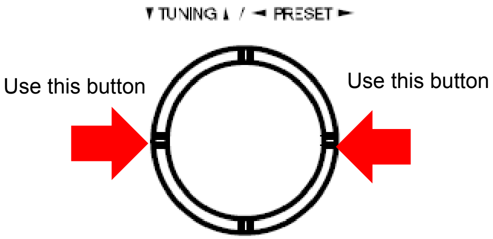
Step3: Press [ON.STANDBY] button again for turn on the device and It will be running diagnostic automatically

6. Model Check

If you press [ENTER] button, You can make sure model & destination setting
Please refer this table

Describe Service Mode (1-3 Video) 1/2

If you use this function, you can select each parameter
by use press [Cursor Left] and [Cursor Right] button.



1. FAD Mode
The unit send HDCP authentication notice to Synchronism device(TV)
It has possibility of TV noise screen by timing of the HDCP communication.
If you have the claim from customer, you can test & fix the problem of no screen on TV

F	A	D		M	O	D	E			:	H	D	B

HDB: Default
On1: 400ms delay
On2: 1200ms delay
On3: 2700ms delay

2. DOLBY VDB Thru
If the synchronism device(TV) is supported Dolby Vision,
The unit can send the signal of Dolby vision repeatable.

D	D	V	D	B		T	h	r	u	:	O	f	f

On: Default
Off: Keep EDID of Dolby info.

3. HDMI Thru
If the TV will power off when the standby-thru at the unit CEC working,
the AVR completely power off. The default setting should be 1 minute.
In fact, When the TV will be off at standby-thru mode, the unit should be power off at one minute later.

H	D	M	I		T	h	r	u		:		1	m

This is debug mode, No necessary to use at the user claim.

OFF: Default=1 munites.
1s – 15m: 10sec – 15minutes

3. Power Control
This mode just only appeared by set HDMI CEC on.
When it is set CEC-ON, The TV power off interlock unable or not.

P	o	w	e	r		C	t	r	l	:		O	n

On: Enable(Default)
Off: Disable

5. TV Control
This mode just only appeared by set HDMI CEC on.
When it is set CEC-ON, The TV speaker interlock unable or not.

T	V		C	t	r	l				:		O	n

On: Enable(Default)
Off: Disable

6. Max TMDSCR
The AVR (2015later) support 4K60p Max Pixel clock at 600MHz that means support 6GHz
It the TV support pixel clock up to 6GHz,
The AVR pass through 4K60p video signal repeatable.
This function that inform to the TV limit 3GHz. But the data is 6GHz.
If the customer's TV can support 6GHz but the screen does not show any display,
You can test this function OK or not.

T	V		C	t	r	l				:		O	n

600: 600MHz(Default)
300: 300MHz

Describe Service Mode (1-3 Video) 2/2

7. LTE 340 SC

The TDMS clock is over 340MHz video input signal is enable scramble function
It is possible to send the signal stable at the over 340MHz TMDS clock.
When it is enable this function, it is enable scramble function at the under 340MHz TMDS clock signal.

LTE 340 SC:Off

Off: Disable(Default)
On: Enable

7. Thru Sel Change

Enable selector switching by remote control during standby through in ONKYO model.
Standby Sleep - Sets the validity / invalidity of selector switching by remote control while keeping state.

ThruSelChg:MD1

MD1: Enable selector switching by remote control only when Standby Thru setting is Last.
MD2: Standby Thru enables selector switching by the remote control not only when the setting is Last but also when the selector is specified.

MD1: Mode1(Default)
MD2: Mode2
Off: Disable

7. Pass thru MD

The monitor Out or Sub out with disable HDMI-CEC function,
It should be power down function setting at the standby-thru mode.

PassThruMD:Off

No necessary user this function at the user claim

Off:
On:

8. Content Type

It is a setting whether or not to convey the four types of content information of Graphics / Photo / Cinema / Game sent from Player to the TV.

PassThruMD:Off

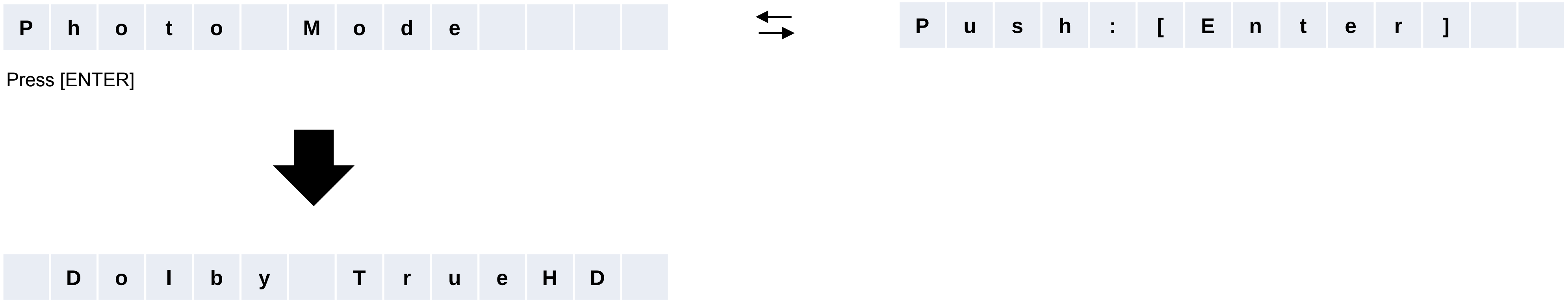
On: Enable send the information from Player to TV.
Off: Disable this function.

On: Enable (Default)
Off: Disable

No necessary user this function at the user claim

Describe Service Mode (1-4 Sales)

1. Photo mode
   This mode for sample display for taking photo.



Press [ENTER]

HT-R495(B)MDC

<Note>

1. Parts marked by "**NSP**" are generally unavailable because they are not in our Master Spare Parts List.
2. The ! mark found on some component parts indicates the importance of the safety factor of the part.
   Therefore, when replacing, be sure to use parts of identical designation.

Black color model
120V
Canada/USA/(Mexico)

▨ : NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (PN)		REMARKS
[Cabinet,Chassis,Screws,Nuts]						
A001	CHASSIS	(2017entry)	1	27100627A		NSP
A002	LEG	(B)	4	27175464		
A003	CUSHION	(ZUL)	4	28141877		
A004	SCREW	3TTB+8B(3BC)	4	838430088GR		NSP
A005	HOLDER	(CPS-8)	2	27191383		NSP
A005or	HOLDER	KGLS-8RT	(2)	27190503A		NSP
A006	HOLDER	(NPS-14)	2	27191388		NSP
A006or	HOLDER	KGPS-14RF	(2)	27190802		NSP
A007	HOLDER	(CPS-12)	1	27191385		NSP
A007or	HOLDER	KGLS-12RT	(1)	27190266		NSP
A008	HOLDER	(CPS-14)	1	27191386	N	NSP
A008or	HOLDER	KGLS-14RT	(1)	27190524		NSP
A009	HEAT SINK	(RAD-286)	1	27160718	!	NSP
A010	SCREW	3SMS8W.SW+14B(CU)	14	801634		NSP
A011	RETAINER	(HL-474)	1	27142370		NSP
A012	SCREW	3TTB+8B(3BC)	2	838430088GR		NSP
A013	RETAINER	(HR-474)	1	27142371		NSP
A014	SCREW	3TTB+8B(3BC)	2	838430088GR		NSP
A015	SCREW	3TTB+8B(3BC)	2	838430088GR		NSP
A016	RETAINER	(B)	1	27142141A		NSP
A017	SCREW	3TTB+8B(3BC)	2	838430088GR		NSP
A018	SCREW	3TTB+8B(3BC)	2	838430088GR		NSP
A019	SCREW	3TTB+8B(3CM)SR	2	801637		NSP
A020	SCREW	3TTB+8B(3BC)	1	838430088GR		NSP
A023	SCREW	4TTC+8C(3BC)SR	4	801658		NSP
A024	SCREW	3TTB+8B(3BC)	2	838430088GR		NSP
A025	SCREW	3TTB+8B(3BC)	1	838430088GR		NSP
A028	TAPE	TAPE(CLOTH-16U)	50	29110083		NSP
A029	WIRE TIE	BSK-1	3	260208		NSP
A030	TAPE	TAPE(CLOTH-16U)	100	29110083		NSP
A101	REAR PANEL	(HTR495MDC)	1	27125088		
A102	HOLDER	(PRC)	2	27191419A		NSP
A105	SCREW	3TTB+8B(3BC)	19	838430088GR		NSP
A106	SCREW	3P+6FN(3BC)	5	82143006GR		NSP
A111	BUSHING	S-RELIEF #2271	1	27300750	!	NSP
A116	TAPE	TAPE(CLOTH-8U)	20	29110082		NSP
A117	TAPE	TAPE(CLOTH-8U)	25	29110082		NSP
A120	SHIELD CASE	(UPPER)	1	27225208		
A121	SHIELD CASE	(TUNER-BTM)	1	27225207A		
A201	FRONT PANEL	HTR495(B)DC/EU/EX	1	27214172		
A202	BADGE	(ONKYO)	1	28135338		
A203	CLEAR PLATE	494(B)EU/EX	1	28192547		
A204	KNOB	(STBY)(B)	1	28327234		
A205	KNOB	(CUR)	1	28326907B		
A206	KNOB	(SEL)TXSR343(B)	1	28327196A		
A207	KNOB	(INP)494_B	1	28327495		
A208	KNOB	(TONE)TXSR343(B)_3	1	28327200		
A209	KNOB	(MU)TXSR343(B)_1	1	28327202		
A210	KNOB	(MODE)TXSR343(B)	1	28327198A		
A211	KNOB	(VOL)AS_TXSR343(B)	1	28327192		
A211A	SPRING	.	{1}	27180575		
A214	CUSHION	(FELT)t1x20x10	1	28141859		NSP
A215	HOLDER	KGLS-6RT	2	27190693A	N	NSP
A216	SCREW	2.6TTB+8B(3BC)	14	838426088GR		NSP
A219	SCREW	3TTB+8B(3BC)	4	838430088GR		NSP
A220	SCREW	3TTB+8B(3BC)	4	838430088GR		NSP
A225	WIRE TIE	BSK-1	3	260208		NSP
A401	COVER	343/444(B) (Bent)	1	28210142A		
A401	COVER	343/444(B) (Not Bent)	1	28210142AZ		
A403	SCREW	3TTB+8B(3BC)	9	838430088GR		NSP
A405	LABEL	(CAUTION)	1	29392531		
A411	LABEL	(POP HTR495MDC)	<<1>>	29394136	N	NSP

[Semi-conductors]

Q6001	TRANSISTOR	2SD2390-O	1	2204343		
Q6001or	TRANSISTOR	2SD2390-P	(1)	2204344		
Q6001A	ISO SHEET	ISO SHEET(1D3.2_23x18.5)	2	223067		
Q6001B	ISO SHEET	ISO SHEET(2D3.2_23x37)	6	223068		
Q6002	TRANSISTOR	2SD2390-O	1	2204343		
Q6002or	TRANSISTOR	2SD2390-P	(1)	2204344		
Q6003	TRANSISTOR	2SD2390-O	1	2204343		
Q6003or	TRANSISTOR	2SD2390-P	(1)	2204344		
Q6005	TRANSISTOR	2SD2390-O	1	2204343		
Q6005or	TRANSISTOR	2SD2390-P	(1)	2204344		
Q6006	TRANSISTOR	2SD2390-O	1	2204343		
Q6006or	TRANSISTOR	2SD2390-P	(1)	2204344		
Q6007	TRANSISTOR	2SD2390-O	1	2204343		
Q6007or	TRANSISTOR	2SD2390-P	(1)	2204344		
Q6008	TRANSISTOR	2SD2390-O	1	2204343		
Q6008or	TRANSISTOR	2SD2390-P	(1)	2204344		
Q6021	TRANSISTOR	2SB1560-O	1	2204333		
Q6021or	TRANSISTOR	2SB1560-P	(1)	2204334		
Q6022	TRANSISTOR	2SB1560-O	1	2204333		
Q6022or	TRANSISTOR	2SB1560-P	(1)	2204334		
Q6023	TRANSISTOR	2SB1560-O	1	2204333		
Q6023or	TRANSISTOR	2SB1560-P	(1)	2204334		
Q6025	TRANSISTOR	2SB1560-O	1	2204333		
Q6025or	TRANSISTOR	2SB1560-P	(1)	2204334		
Q6026	TRANSISTOR	2SB1560-O	1	2204333		
Q6026or	TRANSISTOR	2SB1560-P	(1)	2204334		
Q6027	TRANSISTOR	2SB1560-O	1	2204333		
Q6027or	TRANSISTOR	2SB1560-P	(1)	2204334		
Q6028	TRANSISTOR	2SB1560-O	1	2204333		
Q6028or	TRANSISTOR	2SB1560-P	(1)	2204334		

[Transformers,Coils]

T901	POWER TRANSFORMER	NPT-1694D	1	2302210	!	

[Switches,Terminals,Wires]

F6901	FUSE	10A-UL/T-233	1	252330GR	!	
F6901or	FUSE	10A-T/UL-ST2	(1)	252333GR	!	
F6902	FUSE	10A-UL/T-233	1	252330GR	!	
F6902or	FUSE	10A-T/UL-ST2	(1)	252333GR	!	
F9001	FUSE	6.3A-UL/T-233	1	252328GR	!	
F9001or	FUSE	6.3A-T/UL-ST2	(1)	252260GR	!	
F9001E	FUSE LABEL	6.3A/125V	1	29362027		NSP
P101	FLEXIBLE FLAT CABLE	NCFC7-071012	1	2047071012	!	
P7001	FLEXIBLE FLAT CABLE	NCFC5-292712	1	2045292712		
P7002	FLEXIBLE FLAT CABLE	NCFC5-171012	1	2045171012	!	
P7003	FLEXIBLE FLAT CABLE	NCFC5-251012	1	2045251012	!	
P780	WIRE HARNESS ASSEMBLY	NSAS-18P2326	1	200JJ391840AUL		NSP
P9000	POWER SUPPLY CORD	AS-UC-2	1	253368VOL		
P9000or	POWER SUPPLY CORD	AS-UC-2	(1)	253368BLTK	!	

[Frontend,Units]

*****	**PARENT PC BOARD AS**	**BADIS-2672-1A-P**	**1**	**1B5142672-1A**		**Parent**
BADIS-2672	Display PCB	BADIS-2672-1A	1	1B5142672-1A-C		Child
BACLA-2673	Class A PCB	BACLA-2673-1A	1	1B5142673-1A-C	**N**	Child
BAPS-2674	Power Supply PCB	BAPS-2674-1A	1	1B5142674-1A-C	**N**	Child
BARF-2678	RF PCB	BARF-2678-1A	1	1B5142678-1A-C	**N**	Child
BAETC-2679	Et cetera PCB	BAETC-2679-1A	1	1B5142679-1A-C	**N**	Child
BAETC-2680	Et cetera PCB	BAETC-2680-1A	1	1B5142680-1A-C	**N**	Child
BAETC-2733	Et cetera PCB	BAETC-2733-1A	1	1B5142733-1A-C	**N**	Child
*****	**PARENT PC BOARD AS**	**BAAF-2690-1J-P**	**1**	**1B5142690-1J**		**Parent**
BAAF-2690	AF PCB	BAAF-2690-1J	1	1B5142690-1J-C		Child
BAETC-2691	Et cetera PCB	BAETC-2691-1J	1	1B5142691-1J-C	**N**	Child
BAETC-2692	Et cetera PCB	BAETC-2692-1J	1	1B5142692-1J-C	**N**	Child
*****	**PARENT PC BOARD AS**	**BAPRC-2695-1E-P**	**1**	**1B5142695-1E495MDC**		**Parent**
BAPRC-2695	Processing PCB	BAPRC-2695-1E	1	1B5142695-1E-C495MDC		Child
BAETC-2696	Et cetera PCB	BAETC-2696-1E	1	1B5142696-1E-C	**N**	Child

[Packing]						
A501	BAG	(650x600x0.515)	1	29100267A		
A502	TAPE	(SEROHAN)NITTO NO.29	100	29110149		NSP
A505	PAD	(AS)HTR495	1	29092864	**N**	
A505A	PAD	(L)HTR495	{1}	29092865	**N**	
A505B	PAD	(R)HTR495	{1}	29092866	**N**	
A513	LABEL	(BASE-W)	1	29364373		NSP
A513A	LABEL	(DES)HTR495(B)MDC	1	29394131		
A551	BAND	BAND PP-BAND W:15.5	4400	29112021		NSP

[Accessories]						
A801	POLY BAG	(W250xD350)LDPE	1	29100272		
A802	TAPE	(SEROHAN)NITTO NO.29	200	29110149		NSP
A803	REMOTE CONTROL TRANSMITTER	RC-970R	1	24140970		
A804	BATTERY	R03/AAA(UM-4)	2	3010124		NSP
A806	MIC	KHM0028-010020	1	245048A		
A807	ANTENNA COIL	AM LOOP ANTENNA (S&O)	1	232216		
A808	FM ANT AS	Type W	1	292191		
A810	TAPE	(SEROHAN)NITTO NO.29	200	29110149		NSP
A901	WARRANTY CARD	(ONKYO-2017)	1	29365304B		
A911	INSTRUCTION MANUAL	QSG_U3(HTR495)	1	29403694	**N**	
A913	INSTRUCTION MANUAL	SAFETY_U4(2019Low-ONK)	1	29403523		

BAAF-2690-1J

<Note>

1. Parts marked by "**NSP**" are generally unavailable because they are not in our Master Spare Parts List.
2. The ! mark found on some component parts indicates the importance of the safety factor of the part.
   Therefore, when replacing, be sure to use parts of identical designation.

▨ : NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (PN)		REMARKS
[Cabinet,Chassis,Screws,Nuts]						
D6901B	SCREW	3P+10FN(3BC)	1	82143010GR		NSP
Q4251B	SCREW	3P+6FN(3BC)	1	82143006GR		NSP
Q4252B	SCREW	3P+6FN(3BC)	1	82143006GR		NSP
[Semi-conductors]						
D4251	DIODE	RL1N4003	1	22380260T		NSP
D4252	DIODE	RL1N4003	1	22380260T		NSP
D4253	DIODE	RL1N4003	1	22380260T		NSP
D4254	DIODE	RL1N4003	1	22380260T		NSP
D4259	ZENER DIODE	DZ2J068M0L	1	224760680R2		NSP
D4260	ZENER DIODE	DZ2J068M0L	1	224760680R2		NSP
D4301	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D4301or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D4302	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D4302or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D5085	ZENER DIODE	DZ2J056M0L	1	224760560R2		NSP
D5086	ZENER DIODE	DZ2J056M0L	1	224760560R2		NSP
D5087	ZENER DIODE	DZ2J056M0L	1	224760560R2		NSP
D5088	ZENER DIODE	DZ2J056M0L	1	224760560R2		NSP
D6501	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6501or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6503	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6503or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6507	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6507or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6601	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6601or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6602	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6602or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6603	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6603or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6605	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6605or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6606	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP

D6606or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6607	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6607or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6608	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6608or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6621	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6621or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6622	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6622or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6623	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6623or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6625	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6625or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6626	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6626or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6627	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6627or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6628	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6628or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6703	ZENER DIODE	DZ2J036M0L	1	224760360R2		NSP
D6704	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6704or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6705	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6705or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6706	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6706or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6707	ZENER DIODE	DZ2J100M0L	1	224761000R2		NSP
D6740	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6740or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6741	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6741or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6761	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6761or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6762	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6762or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6763	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6763or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6765	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6765or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6766	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6766or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6767	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6767or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6768	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D6768or	CHIP TYPE DIODE	1SS352	(1)	223234R2		NSP
D6780	ZENER DIODE	DZ2J033M0L	1	224760330R2		NSP
D6901	DIODE	TS10B06G-07	1	22380379		
D6901A	HEAT SINK	RAD-196	1	27160545	!	NSP
D6911	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
Q4001	HYBRID IC	BD34701KS2	1	22243352R3		NSP
Q4002	PHOTO COUPLER	JSR1165-001recieving	1	24120143	!	
Q4003	HYBRID IC	TC7WU04FU	1	22240935R2		NSP
Q4004	HYBRID IC	NJM4580CG	1	22242922R2		NSP
Q4008	HYBRID IC	NJM4580CG	1	22242922R2		NSP
Q4009	HYBRID IC	NJM4580CG	1	22242922R2		NSP
Q4101	TRANSISTOR	RTAN430C-T112-1	1	2217780R2		NSP
Q4102	TRANSISTOR	RTAN430C-T112-1	1	2217780R2		NSP
Q4103	TRANSISTOR	RTAN430C-T112-1	1	2217780R2		NSP
Q4104	TRANSISTOR	RTAN430C-T112-1	1	2217780R2		NSP
Q4105	TRANSISTOR	RTAN430C-T112-1	1	2217780R2		NSP
Q4106	TRANSISTOR	RTAN430C-T112-1	1	2217780R2		NSP
Q4107	TRANSISTOR	RTAN430C-T112-1	1	2217780R2		NSP
Q4108	TRANSISTOR	RTAN430C-T112-1	1	2217780R2		NSP
Q4114	TRANSISTOR	RTAN430C-T112-1	1	2217780R2		NSP
Q4115	TRANSISTOR	RTAN430C-T112-1	1	2217780R2		NSP
Q4116	TRANSISTOR	RTAN430C-T112-1	1	2217780R2		NSP
Q4251	HYBRID IC	KIA7815API-U	1	222780155KEC		
Q4251or	HYBRID IC	78M15HF(NJM78M15FA)	(1)	222780155JRC		
Q4251A	HEAT SINK	ME151025402170	1	27160692	!	NSP
Q4252	HYBRID IC	KIA7915PI-U	1	222790155KEC		
Q4252or	HYBRID IC	79M15HF(NJM79M15FA)	(1)	222790155JRC		
Q4252A	HEAT SINK	ME151025402170	1	27160692	!	NSP
Q5105	TRANSISTOR	2SC2713-BL	1	2213136R2		

Q5106	TRANSISTOR	2SC2713-BL	1	2213136R2		
Q5107	TRANSISTOR	2SC2713-BL	1	2213136R2		
Q5108	TRANSISTOR	2SC2713-BL	1	2213136R2		
Q5125	TRANSISTOR	2SC2713-BL	1	2213136R2		
Q5126	TRANSISTOR	2SC2713-BL	1	2213136R2		
Q5127	TRANSISTOR	2SC2713-BL	1	2213136R2		
Q5128	TRANSISTOR	2SC2713-BL	1	2213136R2		
Q5225	TRANSISTOR	INC5001AP1-T111	1	2218100R2		
Q5225or	TRANSISTOR	KTC4373-Y	(1)	2218120R2		
Q5225or	TRANSISTOR	2SC2881-Y	(1)	2217564AR2		
Q5226	TRANSISTOR	INC5001AP1-T111	1	2218100R2		
Q5226or	TRANSISTOR	2SC2881-Y	(1)	2217564AR2		
Q5226or	TRANSISTOR	KTC4373-Y	(1)	2218120R2		
Q5227	TRANSISTOR	INC5001AP1-T111	1	2218100R2		
Q5227or	TRANSISTOR	2SC2881-Y	(1)	2217564AR2		
Q5227or	TRANSISTOR	KTC4373-Y	(1)	2218120R2		
Q5228	TRANSISTOR	INC5001AP1-T111	1	2218100R2		
Q5228or	TRANSISTOR	2SC2881-Y	(1)	2217564AR2		
Q5228or	TRANSISTOR	KTC4373-Y	(1)	2218120R2		
Q5385	TRANSISTOR	INA6006AP1-T111	1	2217980R2		
Q5386	TRANSISTOR	INA6006AP1-T111	1	2217980R2		
Q5387	TRANSISTOR	INA6006AP1-T111	1	2217980R2		
Q5388	TRANSISTOR	INA6006AP1-T111	1	2217980R2		
Q5405	TRANSISTOR	INC6006AP1-T111	1	2217990R2		
Q5406	TRANSISTOR	INC6006AP1-T111	1	2217990R2		
Q5407	TRANSISTOR	INC6006AP1-T111	1	2217990R2		
Q5408	TRANSISTOR	INC6006AP1-T111	1	2217990R2		
Q5606	TRANSISTOR	2SD2704K	1	2218130R2		
Q5607	TRANSISTOR	2SD2704K	1	2218130R2		
Q5608	TRANSISTOR	2SD2704K	1	2218130R2		
Q5621	TRANSISTOR	2SD2704K	1	2218130R2		
Q5622	TRANSISTOR	2SD2704K	1	2218130R2		
Q5623	TRANSISTOR	2SD2704K	1	2218130R2		
Q5625	TRANSISTOR	2SD2704K	1	2218130R2		
Q5645	TRANSISTOR	2SA1163-BL	1	2216756R2		
Q5646	TRANSISTOR	2SA1163-BL	1	2216756R2		
Q5647	TRANSISTOR	2SA1163-BL	1	2216756R2		
Q5648	TRANSISTOR	2SA1163-BL	1	2216756R2		
Q6501	TRANSISTOR	KRC105S	1	2217290R2		
Q6501or	TRANSISTOR	DTC123JCAT116	(1)	2219040R2		
Q6503	TRANSISTOR	KRC105S	1	2217290R2		
Q6503or	TRANSISTOR	DTC123JCAT116	(1)	2219040R2		
Q6507	TRANSISTOR	KRC105S	1	2217290R2		
Q6507or	TRANSISTOR	DTC123JCAT116	(1)	2219040R2		
Q6601	TRANSISTOR	INC6002AC1	1	2218840R2		
Q6602	TRANSISTOR	INC6002AC1	1	2218840R2		
Q6603	TRANSISTOR	INC6002AC1	1	2218840R2		
Q6605	TRANSISTOR	INC6002AC1	1	2218840R2		
Q6606	TRANSISTOR	INC6002AC1	1	2218840R2		
Q6607	TRANSISTOR	INC6002AC1	1	2218840R2		
Q6608	TRANSISTOR	INC6002AC1	1	2218840R2		
Q6700	TRANSISTOR	2SA1163-BL	1	2216756R2		
Q6705	TRANSISTOR	2SC2713-BL	1	2213136R2		
Q6706	TRANSISTOR	KRA102S	1	2216220R2		NSP
Q6706or	TRANSISTOR	DTA114ECAT116	(1)	2218980R2		NSP
Q6740	TRANSISTOR	2SC2713-BL	1	2213136R2		
Q6741	TRANSISTOR	2SC2713-BL	1	2213136R2		
Q6742	TRANSISTOR	2SA1163-BL	1	2216756R2		
Q6800	HYBRID IC	LM61CIZ	1	22242212	!	
Q6800A	RETAINER	(PTH)	1	27141884-1		NSP
Q6801	TRANSISTOR	2SC2712-GR	1	2213145R2		
Q6802	TRANSISTOR	2SA1162-GR	1	2214375R2		NSP
Q6911	TRANSISTOR	KRC105S	1	2217290R2		
Q6911or	TRANSISTOR	DTC123JCAT116	(1)	2219040R2		

[Transformers,Coils]

L4301	EMI SUPPRESSION FILTER	BK1608HS102-T	1	230955R2		NSP
L4302	CHOKE COIL	LBC2518T470M	1	231364M470R2	!	NSP

[Capacitors]

C4007	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1	NSP

C4008	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1	NSP
C4009	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1	NSP
C4010	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1	NSP
C4011	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF221JE	1	376332214T	NSP
C4012	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF221JE	1	376332214T	NSP
C4020	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-1M(UTSP)	1	397580107AT	
C4021	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-1M(UTSP)	1	397580107AT	
C4022	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C4023	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C4024	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C4025	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C4026	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C4027	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C4028	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C4029	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C4030	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT	
C4031	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT	
C4053	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K1	1	332101025R1	NSP
C4054	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K1	1	332101025R1	NSP
C4061	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	NSP
C4062	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	NSP
C4063	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT	
C4064	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT	
C4101	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C4102	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C4103	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C4104	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-22M(UTSP)	1	397582207AT	
C4105	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C4106	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C4107	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C4108	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C4109	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT	
C4110	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT	
C4114	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1	NSP
C4115	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1	NSP
C4116	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1	NSP
C4117	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C4118	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C4175	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W16V-220M	1	398542217T	
C4175or	ELECTROLYTIC CAPACITOR	CE04W16V-220M(SK)	(1)	398842217T	
C4176	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W16V-220M	1	398542217T	
C4176or	ELECTROLYTIC CAPACITOR	CE04W16V-220M(SK)	(1)	398842217T	
C4181	FILM C	C281H104J20A21A	1	376821044T	NSP
C4190	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C4191	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J1	1	342102214R1	NSP
C4192	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K1	1	332101035R1	NSP
C4230	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K1	1	332101025R1	NSP
C4240	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K1	1	332101025R1	NSP
C4250	FILM C	C282A334J20A21A	1	376833344T	NSP
C4251	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W35V-1000M	1	398561027T	
C4251or	ELECTROLYTIC CAPACITOR	CE04W35V-1000M(SL)	(1)	398761027T	
C4252	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W35V-1000M	1	398561027T	
C4252or	ELECTROLYTIC CAPACITOR	CE04W35V-1000M(SL)	(1)	398761027T	
C4253	FILM C	C281H104J20A21A	1	376821044T	NSP
C4254	FILM C	C281H104J20A21A	1	376821044T	NSP
C4255	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M	1	398581007T	
C4255or	ELECTROLYTIC CAPACITOR	CE04W50V-10M(SK)	(1)	398881007T	
C4256	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M	1	398581007T	
C4256or	ELECTROLYTIC CAPACITOR	CE04W50V-10M(SK)	(1)	398881007T	
C4261	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W16V-470M	1	398544717T	
C4261or	ELECTROLYTIC CAPACITOR	CE04W16V-470M(SL)	(1)	398744717T	
C4262	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W16V-470M	1	398544717T	
C4262or	ELECTROLYTIC CAPACITOR	CE04W16V-470M(SL)	(1)	398744717T	
C4301	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C4304	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K1	1	332121045R1	NSP
C4305	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-080D1	1	342100802R1	NSP
C4306	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C4307	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W10V-220M(UTSP)	1	397532217AT	
C4308	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C5005	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T	NSP
C5006	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T	NSP
C5007	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T	NSP
C5008	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T	NSP

C5025	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5026	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5027	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5028	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5085	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C5086	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C5087	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C5088	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C5485	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T	NSP
C5486	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T	NSP
C5487	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T	NSP
C5488	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T	NSP
C5505	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5506	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5507	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5508	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5525	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5526	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5527	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5528	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5645	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5646	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5647	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5648	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C6405	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T	NSP
C6406	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T	NSP
C6407	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T	NSP
C6408	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T	NSP
C6425	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T	
C6426	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T	
C6427	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T	
C6428	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T	
C6461	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF473JE	1	376594734T	NSP
C6462	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF473JE	1	376594734T	NSP
C6463	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF473JE	1	376594734T	NSP
C6465	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF473JE	1	376594734T	NSP
C6466	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF473JE	1	376594734T	NSP
C6467	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF473JE	1	376594734T	NSP
C6468	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF473JE	1	376594734T	NSP
C6501	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C6503	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C6505	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C6507	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C6521	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF102JE	1	376591024T	NSP
C6522	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF102JE	1	376591024T	NSP
C6523	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF102JE	1	376591024T	NSP
C6524	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF102JE	1	376591024T	NSP
C6525	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF102JE	1	376591024T	NSP
C6526	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF102JE	1	376591024T	NSP
C6527	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF102JE	1	376591024T	NSP
C6601	FILM C	C281H474J20A21A	1	376824744T	NSP
C6602	FILM C	C281H474J20A21A	1	376824744T	NSP
C6603	FILM C	C281H474J20A21A	1	376824744T	NSP
C6605	FILM C	C281H474J20A21A	1	376824744T	NSP
C6606	FILM C	C281H474J20A21A	1	376824744T	NSP
C6607	FILM C	C281H474J20A21A	1	376824744T	NSP
C6608	FILM C	C281H474J20A21A	1	376824744T	NSP
C6700	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF103JE	1	376591034T	NSP
C6703	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	NSP
C6704	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K1	1	332131055R1	NSP
C6705	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-222K1	1	332102225R1	NSP
C6741	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M	1	398552217T	
C6741or	ELECTROLYTIC CAPACITOR	CE04W25V-220M(SL)	(1)	398752217T	
C6742	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C6744	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-1M(UTSP)	1	397580107AT	
C6744or	ELECTROLYTIC CAPACITOR	CE04W50V-1M(SK)	(1)	398880107T	
C6744or	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-1M	(1)	398580107T	
C6780	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M	1	398581007T	
C6780or	ELECTROLYTIC CAPACITOR	CE04W50V-10M(SK)	(1)	398881007T	
C6800	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C6801	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C6901	ELECTROLYTIC CAPACITOR	CE69W63V-6800MBC	1	3504542	
C6901or	ELECTROLYTIC CAPACITOR	CE69W63V-6800M	(1)	3504518	

C6901or	ELECTROLYTIC CAPACITOR	CE69W63V-6800MMS	(1)	3504556	
C6902	ELECTROLYTIC CAPACITOR	CE69W63V-6800MBC	1	3504542	
C6902or	ELECTROLYTIC CAPACITOR	CE69W63V-6800M	(1)	3504518	
C6902or	ELECTROLYTIC CAPACITOR	CE69W63V-6800MMS	(1)	3504556	
C6903	FILM C	C282A334J20A21A	1	376833344T	NSP
C6904	FILM C	C282A334J20A21A	1	376833344T	NSP
C6911	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
[Resistors]					
R4001	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4006	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4007	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4013	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R4014	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R4015	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R4016	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R4017	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R4018	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R4019	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R4020	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R4021	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R4022	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R4023	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R4024	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R4033	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R4034	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R4053	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1	NSP
R4054	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1	NSP
R4055	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4056	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4057	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R4061	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	NSP
R4062	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	NSP
R4063	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R4064	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R4065	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1	NSP
R4066	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1	NSP
R4067	CHIP TYPE CARBON RESISTOR	RN72K1J-123JE	1	435031234R1	NSP
R4068	CHIP TYPE CARBON RESISTOR	RN72K1J-123JE	1	435031234R1	NSP
R4069	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	NSP
R4070	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	NSP
R4071	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4072	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4080	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	NSP
R4081	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	NSP
R4082	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	NSP
R4083	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	NSP
R4084	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	NSP
R4085	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	NSP
R4086	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	NSP
R4087	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	NSP
R4088	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R4089	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R4097	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1	NSP
R4098	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1	NSP
R4099	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4101	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4102	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4103	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4104	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1	NSP
R4105	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4106	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4107	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4108	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4111	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R4112	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R4113	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R4114	CHIP TYPE CARBON RESISTOR	RN72K1J-271JE	1	435032714R1	NSP
R4115	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R4116	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R4117	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R4118	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP

R4119	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R4120	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R4124	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1	NSP
R4134	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4135	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4141	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4142	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4143	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4145	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4146	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4147	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4148	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4154	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4155	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4156	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4174	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1	NSP
R4175	CHIP TYPE CARBON RESISTOR	RN72K1J-180JE	1	435031804R1	NSP
R4176	CHIP TYPE CARBON RESISTOR	RN72K1J-180JE	1	435031804R1	NSP
R4177	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1	NSP
R4181	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1	NSP
R4182	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4183	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4184	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1	NSP
R4190	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1	NSP
R4191	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1	NSP
R4192	CHIP TYPE CARBON RESISTOR	RN72K1J-153JE	1	435031534R1	NSP
R4193	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	NSP
R4194	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	NSP
R4195	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R4196	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R4199	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1	NSP
R4200	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1	NSP
R4251	METAL RESISTOR	RNU1WCJ-2.2	1	453630224T	
R4252	METAL RESISTOR	RNU1WCJ-2.2	1	453630224T	
R4253	METAL RESISTOR	RNU1WCJ-2.2	1	453630224T	
R4254	METAL RESISTOR	RNU1WCJ-2.2	1	453630224T	
R4255	METAL OXIDE FILM RESISTOR	RS1/2WBJ-15	1	443521504T	
R4256	METAL OXIDE FILM RESISTOR	RS1WBJ-22	1	443622204T	
R4259	METAL OXIDE FILM RESISTOR	RS1/2WBJ-100	1	443521014T	
R4260	METAL OXIDE FILM RESISTOR	RS1/2WBJ-100	1	443521014T	
R4261	METAL OXIDE FILM RESISTOR	RS1/2WBJ-82	1	443528204T	
R4262	METAL OXIDE FILM RESISTOR	RS1/2WBJ-82	1	443528204T	
R4301	CHIP TYPE CARBON RESISTOR	RN72K1J-750JE	1	435037504R1	NSP
R4302	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R4303	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	NSP
R4304	CHIP TYPE CARBON RESISTOR	RN72K1J-823JE	1	435038234R1	NSP
R4305	CHIP TYPE CARBON RESISTOR	RN72K1J-470JE	1	435034704R1	NSP
R4306	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R4307	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R5005	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	NSP
R5006	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	NSP
R5007	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	NSP
R5008	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	NSP
R5025	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1	NSP
R5026	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1	NSP
R5027	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1	NSP
R5028	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1	NSP
R5045	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R5046	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R5047	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R5048	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R5065	METAL OXIDE FILM RESISTOR	RS1/2WBJ-100K	1	443521044T	
R5066	METAL OXIDE FILM RESISTOR	RS1/2WBJ-100K	1	443521044T	
R5067	METAL OXIDE FILM RESISTOR	RS1/2WBJ-100K	1	443521044T	
R5068	METAL OXIDE FILM RESISTOR	RS1/2WBJ-100K	1	443521044T	
R5085	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R5086	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R5087	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R5088	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R5105	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5106	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5107	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5108	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP

R5185	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5186	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5187	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5188	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5205	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5206	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5207	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5208	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5225	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	NSP
R5226	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	NSP
R5227	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	NSP
R5228	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	NSP
R5245	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R5246	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R5247	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R5248	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R5305	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5306	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5307	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5308	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5325	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5326	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5327	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5328	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5385	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-150	1	415471514T	
R5386	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-150	1	415471514T	
R5387	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-150	1	415471514T	
R5388	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-150	1	415471514T	
R5405	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-150	1	415471514T	
R5406	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-150	1	415471514T	
R5407	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-150	1	415471514T	
R5408	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-150	1	415471514T	
R5465	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-39K	1	415473934T	
R5466	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-39K	1	415473934T	
R5467	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-39K	1	415473934T	
R5468	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-39K	1	415473934T	
R5485	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-39K	1	415473934T	
R5486	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-39K	1	415473934T	
R5487	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-39K	1	415473934T	
R5488	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-39K	1	415473934T	
R5505	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5506	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5507	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5508	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5525	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5526	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5527	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5528	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5601	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5602	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5603	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5605	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5606	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5607	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5608	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5623	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R5721	CHIP TYPE CARBON RESISTOR	RN72K1J-123FE	1	435031232R1	NSP
R5722	CHIP TYPE CARBON RESISTOR	RN72K1J-123FE	1	435031232R1	NSP
R5723	CHIP TYPE CARBON RESISTOR	RN72K1J-123FE	1	435031232R1	NSP
R5725	CHIP TYPE CARBON RESISTOR	RN72K1J-123FE	1	435031232R1	NSP
R5726	CHIP TYPE CARBON RESISTOR	RN72K1J-123FE	1	435031232R1	NSP
R5727	CHIP TYPE CARBON RESISTOR	RN72K1J-123FE	1	435031232R1	NSP
R5728	CHIP TYPE CARBON RESISTOR	RN72K1J-123FE	1	435031232R1	NSP
R5741	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5742	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5743	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5745	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5746	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5747	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5748	CHIP TYPE CARBON RESISTOR	RN72K1J-472FE	1	435034722R1	NSP
R5785	CHIP TYPE CARBON RESISTOR	RN72K1J-224FE	1	435032242R1	NSP
R5786	CHIP TYPE CARBON RESISTOR	RN72K1J-334FE	1	435033342R1	NSP
R5787	CHIP TYPE CARBON RESISTOR	RN72K1J-224FE	1	435032242R1	NSP

R5788	CHIP TYPE CARBON RESISTOR	RN72K1J-334FE	1	435033342R1	NSP
R5861	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R5862	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R5863	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R5881	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R5882	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R5883	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R5885	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R5886	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R5887	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R5888	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R6001	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6002	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6003	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6005	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6006	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6007	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6008	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6021	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6022	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6023	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6025	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6026	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6027	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6028	METAL OXIDE FILM RESISTOR	RS2WBJ-0.22	1	442722294T	
R6141	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6142	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6143	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6145	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6146	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6147	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6148	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6161	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6162	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6163	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6165	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6166	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6167	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6168	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-0.22	1	415472294T	
R6405	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T	
R6406	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T	
R6407	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T	
R6408	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T	
R6425	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R6426	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R6427	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R6428	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R6461	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6462	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6463	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6465	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6466	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6467	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6468	METAL RESISTOR	RNU1WCJ-8.2	1	453630824T	
R6601	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6602	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6603	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6605	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6606	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6607	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6608	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6621	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6622	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6623	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6625	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6626	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6627	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6628	CHIP TYPE CARBON RESISTOR	RN72K1J-273JE	1	435032734R1	NSP
R6641	CHIP TYPE CARBON RESISTOR	RN72K1J-682JE	1	435036824R1	NSP
R6642	CHIP TYPE CARBON RESISTOR	RN72K1J-682JE	1	435036824R1	NSP
R6643	CHIP TYPE CARBON RESISTOR	RN72K1J-682JE	1	435036824R1	NSP
R6645	CHIP TYPE CARBON RESISTOR	RN72K1J-682JE	1	435036824R1	NSP
R6646	CHIP TYPE CARBON RESISTOR	RN72K1J-682JE	1	435036824R1	NSP

R6647	CHIP TYPE CARBON RESISTOR	RN72K1J-682JE	1	435036824R1		NSP
R6648	CHIP TYPE CARBON RESISTOR	RN72K1J-682JE	1	435036824R1		NSP
R6661	CHIP TYPE CARBON RESISTOR	RN72K1J-394JE	1	435033944R1		NSP
R6662	CHIP TYPE CARBON RESISTOR	RN72K1J-394JE	1	435033944R1		NSP
R6663	CHIP TYPE CARBON RESISTOR	RN72K1J-394JE	1	435033944R1		NSP
R6665	CHIP TYPE CARBON RESISTOR	RN72K1J-394JE	1	435033944R1		NSP
R6666	CHIP TYPE CARBON RESISTOR	RN72K1J-394JE	1	435033944R1		NSP
R6667	CHIP TYPE CARBON RESISTOR	RN72K1J-394JE	1	435033944R1		NSP
R6668	CHIP TYPE CARBON RESISTOR	RN72K1J-394JE	1	435033944R1		NSP
R6681	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R6682	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R6683	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R6685	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R6686	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R6687	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R6688	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R6700	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1		NSP
R6701	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1		NSP
R6702	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R6703	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1		NSP
R6704	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1		NSP
R6705	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1		NSP
R6706	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6707	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1		NSP
R6708	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R6721	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6722	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6723	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6725	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6726	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6727	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6728	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6731	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1		NSP
R6741	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R6742	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1		NSP
R6743	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6744	CHIP TYPE CARBON RESISTOR	RN72K1J-223JE	1	435032234R1		NSP
R6761	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6762	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6763	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6765	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6766	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6767	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6768	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R6780	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1		NSP
R6781	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1		NSP
R6792	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1		NSP
R6795	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1		NSP
R6796	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1		NSP
R6797	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1		NSP
R6802	CHIP TYPE CARBON RESISTOR	RN72K1J-153FE	1	435031532R1		NSP
R6803	CHIP TYPE CARBON RESISTOR	RN72K1J-473FE	1	435034732R1		NSP
R6804	CHIP TYPE CARBON RESISTOR	RN72K1J-184JE	1	435031844R1		NSP
R6805	CHIP TYPE CARBON RESISTOR	RN72K1J-823FE	1	435038232R1		NSP
R6806	THERMISTOR	PRF18BF471QB5RB	1	4000286R2	!	NSP
R6808	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1		NSP
R6901	METAL RESISTOR	RNU1/2WCJ-0.1	1	453531094T		
R6913	METAL OXIDE FILM RESISTOR	RS1/2WBJ-33	1	443523304T		
[Switches,Terminals,Wires]						
F6901C	FUSE HOLDER	NSCT-1P2031	1	25052133T	!	NSP
F6901D	FUSE HOLDER	NSCT-1P2031	1	25052133T	!	NSP
F6902C	FUSE HOLDER	NSCT-1P2031	1	25052133T	!	NSP
F6902D	FUSE HOLDER	NSCT-1P2031	1	25052133T	!	NSP
P020	PRINTED WIRING BOARD	BCAF-2690	1	25142690A		
P020A	PRINTED WIRING BOARD	BCAF-2690	{1}	25142690A		
P020B	PRINTED WIRING BOARD	BCETC-2691	{1}	25142691	**N**	NSP
P020C	PRINTED WIRING BOARD	BCETC-2692	{1}	25142692	**N**	NSP
P101B	SOCKET	NSCT-7P2100	1	25052203	!	NSP
P4001	PIN JACK	NPJ-6PDWWWRRR561	1	25045779	!	
P4002	PIN JACK	NPJ-1PDO554	1	25045772	!	
P4007	PIN JACK	NPJ-4PDRWB785	1	25046056	!	

P5506B	RETAINER	(TRM)	1	25060507		NSP
P5509A	RETAINER	(TRM)	1	25060507		NSP
P6001B	PLUG	NPLG-9P0964	1	25056014	!	NSP
P6002B	PLUG	NPLG-9P0964	1	25056014	!	NSP
P6003B	PLUG	NPLG-9P0964	1	25056014	!	NSP
P6400	FLAT CABLE	JL3 250 H	1	3J250606H		
P6400A	WIRE HOL	CHD-2.5-3	1	25053540	!	NSP
P6400B	WIRE HOL	CHD-2.5-3	1	25053540	!	NSP
P6401	FLAT CABLE	JL5 300 H	1	5J300606H	!	
P6401A	WIRE HOL	CHD-2.5-5	1	25053541	!	NSP
P6401B	WIRE HOL	CHD-2.5-5	1	25053541	!	NSP
P6402	FLAT CABLE	JL7 250 H	1	7J250606H	!	
P6402A	WIRE HOL	CHD-2.5-7	1	25053542	!	NSP
P6402Aor	WIRE HOL	NSCT-7P898	(1)	25051111	!	NSP
P6402B	WIRE HOL	CHD-2.5-7	1	25053542	!	NSP
P6402Bor	WIRE HOL	NSCT-7P898	(1)	25051111	!	NSP
P6501	TERMINAL	NTM-4PDMNRR414	1	25060486A		
P6502	TERMINAL	NTM-10PDMLR444	1	25060523	!	
P6800	WIRE HARNESS ASSEMBLY	NSAS-5P2110	1	2009991299UL	!	NSP
P6800A	WIRE HOL	CHD-1.5-5	1	25053536	!	NSP
P6901	PLUG	NPLG-5P152	1	25055168	!	NSP
P6902A	CRIMP CORD ASSEMBLY	CRIMP AS	1	2065525150UL		NSP
P6903A	CRIMP CORD ASSEMBLY	CRIMP AS	1	2065525242UL		NSP
P6904A	CRIMP CORD ASSEMBLY	CRIMP AS	1	2065525206UL		NSP
P7002B	SOCKET	NSCT-17P2408	1	25052511	!	NSP
P7003B	SOCKET	NSCT-25P2416	1	25052519	!	NSP
P7880	WIRE HARNESS ASSEMBLY	NSAS-5P2482	1	2009991613UL		NSP
P7880B	WIRE HOL	CHD-2.5-5	1	25053541	!	NSP
R4197	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1		NSP
R4198	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1		NSP
RL6501	RELAY	NRL-2P5A-DC24-129	1	25065563A	!	
RL6503	RELAY	NRL-2P5A-DC24-129	1	25065563A	!	
RL6505	RELAY	NRL-2P5A-DC24-129	1	25065563A	!	
RL6507	RELAY	NRL-2P5A-DC24-129	1	25065563A	!	
RL6911	RELAY	NRL-1P10A-DC12-196	1	25065707	!	
RL6912	RELAY	NRL-1P10A-DC12-196	1	25065707	!	

BADIS-2672-1A

<Note>

1. Parts marked by "**NSP**" are generally unavailable because they are not in our Master Spare Parts List.
2. The ! mark found on some component parts indicates the importance of the safety factor of the part.
   Therefore, when replacing, be sure to use parts of identical designation.

▨ : NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (PN)		REMARKS
[Semi-conductors]						
D5081	ZENER DIODE	DZ2J056M0L	1	224760560R2		NSP
D5082	ZENER DIODE	DZ2J056M0L	1	224760560R2		NSP
D5083	ZENER DIODE	DZ2J056M0L	1	224760560R2		NSP
D7750	LED	QL3P-BB41-M0000	1	225563		
D7750A	HOLDER	(LED)LH-5-5	1	27191312		NSP
D7751	LED	QL3P-BB41-M0000	1	225563		
D7751A	HOLDER	(LED)LH-5-5	1	27191312		NSP
D7851	ZENER DIODE	DZ2J068M0L	1	224760680R2		NSP
D7852	ZENER DIODE	DZ2J068M0L	1	224760680R2		NSP
D7900	DIODE	RL1N4003	1	22380260T		NSP
D7904	ZENER DIODE	DZ2J200M0L	1	224762000R2		NSP
D7905	ZENER DIODE	DZ2J180M0L	1	224761800R2		NSP
D7906	ZENER DIODE	DZ2J075M0L	1	224760750R2		NSP
D9011	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP
D9011or	CHIP TYPE DIODE	KDS4148U	(1)	223283R2		NSP
D9012	ZENER DIODE	DZ2J051M0L	1	224760510R2		NSP
D9013	ZENER DIODE	DZ2J051M0L	1	224760510R2		NSP
D9021	CHIP TYPE DIODE	KDS4148U	1	223283R2		NSP
D9022	CHIP TYPE DIODE	KDS4148U	1	223283R2		NSP
D9023	CHIP TYPE DIODE	KDS4148U	1	223283R2		NSP
D9024	CHIP TYPE DIODE	KDS4148U	1	223283R2		NSP
D9030	CHIP TYPE DIODE	KDS4148U	1	223283R2		NSP
D9032	CHIP TYPE DIODE	KDS4148U	1	223283R2		NSP

D9033	CHIP TYPE DIODE	KDS4148U	1	223283R2	NSP
D9034	CHIP TYPE DIODE	KDS4148U	1	223283R2	NSP
D9035	ZENER DIODE	DZ2J051M0L	1	224760510R2	NSP
D9036	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D9037	DIODE	RBR3MM30ATR	1	22380401R2	NSP
D9101	DIODE	G10XB80-02-60A-T16	1	22380378F	
D9102	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D9102or	CHIP TYPE DIODE	KDS4148U	(1)	223283R2	NSP
D9103	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D9103or	CHIP TYPE DIODE	KDS4148U	(1)	223283R2	NSP
D9104	ZENER DIODE	DZ2J062M0L	1	224760620R2	NSP
D9106	DIODE	RBR3MM30ATR	1	22380401R2	NSP
Q1	HYBRID IC	RZ5B801-0001E2	1	22242835R2	NSP
Q5101	TRANSISTOR	2SC2713-BL	1	2213136R2	
Q5102	TRANSISTOR	2SC2713-BL	1	2213136R2	
Q5103	TRANSISTOR	2SC2713-BL	1	2213136R2	
Q5121	TRANSISTOR	2SC2713-BL	1	2213136R2	
Q5122	TRANSISTOR	2SC2713-BL	1	2213136R2	
Q5123	TRANSISTOR	2SC2713-BL	1	2213136R2	
Q5221	TRANSISTOR	INC5001AP1-T111	1	2218100R2	
Q5221or	TRANSISTOR	2SC2881-Y	(1)	2217564AR2	
Q5221or	TRANSISTOR	KTC4373-Y	(1)	2218120R2	
Q5222	TRANSISTOR	INC5001AP1-T111	1	2218100R2	
Q5222or	TRANSISTOR	KTC4373-Y	(1)	2218120R2	
Q5222or	TRANSISTOR	2SC2881-Y	(1)	2217564AR2	
Q5223	TRANSISTOR	INC5001AP1-T111	1	2218100R2	
Q5223or	TRANSISTOR	KTC4373-Y	(1)	2218120R2	
Q5223or	TRANSISTOR	2SC2881-Y	(1)	2217564AR2	
Q5381	TRANSISTOR	INA6006AP1-T111	1	2217980R2	
Q5382	TRANSISTOR	INA6006AP1-T111	1	2217980R2	
Q5383	TRANSISTOR	INA6006AP1-T111	1	2217980R2	
Q5401	TRANSISTOR	INC6006AP1-T111	1	2217990R2	
Q5402	TRANSISTOR	INC6006AP1-T111	1	2217990R2	
Q5403	TRANSISTOR	INC6006AP1-T111	1	2217990R2	
Q5421	TRANSISTOR	INA6006AP1-T111	1	2217980R2	
Q5422	TRANSISTOR	INA6006AP1-T111	1	2217980R2	
Q5423	TRANSISTOR	INA6006AP1-T111	1	2217980R2	
Q5441	TRANSISTOR	INC6006AP1-T111	1	2217990R2	
Q5442	TRANSISTOR	INC6006AP1-T111	1	2217990R2	
Q5443	TRANSISTOR	INC6006AP1-T111	1	2217990R2	
Q5641	TRANSISTOR	2SA1163-BL	1	2216756R2	
Q5642	TRANSISTOR	2SA1163-BL	1	2216756R2	
Q5643	TRANSISTOR	2SA1163-BL	1	2216756R2	
Q7750	TRANSISTOR	KRC105S	1	2217290R2	
Q7751	TRANSISTOR	KRC105S	1	2217290R2	
Q7780	REMOTE SENSOR	IRM-3638M3S28	1	24130026	
Q7850	HYBRID IC	NJM4580CG	1	22242922R2	NSP
Q7851	TRANSISTOR	RTAN430C-T112-1	1	2217780R2	NSP
Q7852	TRANSISTOR	KRA102S	1	2216220R2	NSP
Q7852or	TRANSISTOR	DTA114EKA	(1)	2217050R2	NSP
Q7852or	TRANSISTOR	DTA114ECAT116	(1)	2218980R2	NSP
Q7853	TRANSISTOR	KRC107S	1	2216340R2	NSP
Q7853or	TRANSISTOR	DTC114YKA	(1)	2216470R2	NSP
Q7853or	TRANSISTOR	DTC114YCAT116	(1)	2219050R2	NSP
Q7900	TRANSISTOR	INC5001AP1-T111	1	2218100R2	
Q7900or	TRANSISTOR	2SC2881-Y	(1)	2217564AR2	
Q7901	TRANSISTOR	INA5001AP1-T111	1	2218030R2	
Q7901or	TRANSISTOR	2SA1201-Y	(1)	2217554AR2	NSP
Q7902	TRANSISTOR	KRC107S	1	2216340R2	NSP
Q7902or	TRANSISTOR	DTC114YCAT116	(1)	2219050R2	NSP
Q7902or	TRANSISTOR	DTC114YKA	(1)	2216470R2	NSP
Q7903	TRANSISTOR	KTC3875-GR	1	2216175R2	NSP
Q7903or	TRANSISTOR	2SC2712-GR	(1)	2213145R2	
Q7904	TRANSISTOR	KTC3875-GR	1	2216175R2	NSP
Q7904or	TRANSISTOR	2SC2712-GR	(1)	2213145R2	
Q7905	FLUORESCENT TUBE	CIG25-1608N	1	212293	
Q7905or	FLUORESCENT TUBE	016MT096GINYK	(1)	212285A	
Q7905A	HOLDER	(FL)	1	27191414	NSP
Q9010	TRANSISTOR	KRC105S	1	2217290R2	
Q9010or	TRANSISTOR	RN1405	(1)	2214500R2	NSP
Q9010or	TRANSISTOR	DTC123JKA	(1)	2216690R2	NSP
Q9011	TRANSISTOR	2SC2712-GR	1	2213145R2	

[Transformers,Coils]

L1	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1		NSP
L2	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1		NSP
L3	RF COIL	SDCL1608CR33JTDF	1	233557R1		NSP
L4	RF COIL	SDCL1608CR10JTDF	1	233556R1		NSP
L5	ANTENNA COIL	K7-D	1	232212		
L7900	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	!	NSP
L7901	CHOKE COIL	LBC2518T2R2M	1	231364M022R2	!	NSP
T9002	POWER TRANSFORMER	NPT-1520JQ	1	2301812A	!	

[Capacitors]

C1	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	NSP
C12	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-090D1	1	342100902R1	NSP
C13	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K1	1	332121045R1	NSP
C2	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-220J1	1	342102204R1	NSP
C3	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-332K1	1	332103325R1	NSP
C4	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-100D1	1	342101002R1	NSP
C5	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-473K1	1	332104735R1	NSP
C5001	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T	NSP
C5002	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T	NSP
C5003	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF471JE	1	376334714T	NSP
C5021	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5022	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5023	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5081	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C5082	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C5083	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C5481	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T	NSP
C5482	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T	NSP
C5483	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF101JE	1	376331014T	NSP
C5501	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5502	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5503	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5521	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5522	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5523	VR TYPE ELECTROLYTIC CAPACITOR	CE04W100V-22M(VR)	1	394692207T	
C5641	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5642	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C5643	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V 47M(UTSP)	1	397584707AT	
C6	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-222K1	1	332102225R1	NSP
C6401	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T	NSP
C6402	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T	NSP
C6403	CERAMIC CAPACITOR	CC45SL50V-040C	1	345020401T	NSP
C6421	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T	
C6422	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T	
C6423	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M(UTSP)	1	397552217T	
C7	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K1	1	332131055R1	NSP
C7502	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C7770	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K1	1	332101035R1	NSP
C7771	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K1	1	332101035R1	NSP
C7780	ELECTROLYTIC CAPACITOR	CE04W50V-10M	1	355781009T	
C7781	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K1	1	332101025R1	NSP
C7850	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C7851	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	NSP
C7853	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT	
C7854	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT	
C7855	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-330J1	1	342103304R1	NSP
C7856	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W50V-10M(UTSP)	1	397581007AT	
C7857	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C7858	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K1	1	332101035R1	NSP
C7881	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF221JE	1	376332214T	NSP
C7882	UPZ TYPE PLASTIC FILM CAPACITOR	2AUPZTF221JE	1	376332214T	NSP
C7883	UMXR TYPE PLASTIC FILM CAPACITOR	1JUMXRTF102JE	1	376591024T	NSP
C7884	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-102J1	1	342101024R1	NSP
C7900	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W63V-100M(UTSP)	1	397571017T	
C7901	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M	1	398584707T	
C7901or	ELECTROLYTIC CAPACITOR	CE04W50V-47M(SK)	(1)	398884707T	
C7902	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-47M	1	398584707T	
C7902or	ELECTROLYTIC CAPACITOR	CE04W50V-47M(SK)	(1)	398884707T	
C7903	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	NSP
C7904	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	NSP

C7905	UTSP TYPE ELECTROLYTIC CAPACITOR	CE04W25V-47M(UTSP)	1	397554707AT	
C7907	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	NSP
C7908	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-473K1	1	332104735R1	NSP
C7909	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C7910	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	NSP
C7911	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	NSP
C7912	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	NSP
C7913	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J1	1	342101014R1	NSP
C7914	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C7915	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	NSP
C7916	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	NSP
C8	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K1	1	332131055R1	NSP
C9	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C9011	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C9012	IS TYPE CAPACITOR	LE103-C3.5	1	3800042S	!
C9012or	IS TYPE CAPACITOR	ECQU2A103MLC	(1)	3800039S	!
C9013	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-104K1	1	332101045R1	NSP
C9021	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K1	1	332102235R1	NSP
C9022	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W25V-2200M	1	398552227S	
C9022or	ELECTROLYTIC CAPACITOR	CE04W25V-2200M(SL)	(1)	398752227S	
C9025	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-102J1	1	342101024R1	NSP
C9030	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W25V-220M	1	398552217T	
C9030or	ELECTROLYTIC CAPACITOR	CE04W25V-220M(SL)	(1)	398752217T	
C9033	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-4.7M	1	398580477T	
C9033or	ELECTROLYTIC CAPACITOR	CE04W50V-4.7M(SK)	(1)	398880477T	
C9101	FILM C	C281H334J20A21A	1	376823344T	NSP
C9102	JAMICON TYPE ELECTROLYTIC CAPACITOR	CE04W50V-4.7M	1	398580477T	
C9102or	ELECTROLYTIC CAPACITOR	CE04W50V-4.7M(SK)	(1)	398880477T	
C9103	ELECTROLYTIC CAPACITOR	CE69W25V-10000M	1	3504512	
X1	CRYSTAL	HC-49S 9B12.000MHz	1	3010533	
[Resistors]					
R10	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R11	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R13	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R14	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1	NSP
R2	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1	NSP
R3	EMI SUPPRESSION FILTER	BK1608HS601-T	1	230984R1	NSP
R4	EMI SUPPRESSION FILTER	BK1608HS601-T	1	230984R1	NSP
R5	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1	NSP
R5001	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	NSP
R5002	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	NSP
R5003	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	NSP
R5021	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1	NSP
R5022	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1	NSP
R5023	CHIP TYPE CARBON RESISTOR	RN72K1J-563JE	1	435035634R1	NSP
R5041	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R5042	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R5043	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R5061	METAL OXIDE FILM RESISTOR	RS1/2WBJ-100K	1	443521044T	
R5062	METAL OXIDE FILM RESISTOR	RS1/2WBJ-100K	1	443521044T	
R5063	METAL OXIDE FILM RESISTOR	RS1/2WBJ-100K	1	443521044T	
R5081	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R5082	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R5083	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1	NSP
R5101	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5102	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5103	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5181	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5182	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5183	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5201	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5202	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5203	CHIP TYPE CARBON RESISTOR	RN72K1J-100JE	1	435031004R1	NSP
R5221	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	NSP
R5222	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	NSP
R5223	CHIP TYPE CARBON RESISTOR	RN72K1J-562JE	1	435035624R1	NSP
R5241	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R5242	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R5243	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R5301	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5302	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP

R5303	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5321	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5322	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5323	CHIP TYPE CARBON RESISTOR	RN72K1J-152JE	1	435031524R1	NSP
R5381	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5382	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5383	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5401	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5402	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5403	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5421	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5422	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5423	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5441	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5442	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5443	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-220	1	415472214T	
R5461	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-33K	1	415473334T	
R5462	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-33K	1	415473334T	
R5463	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-33K	1	415473334T	
R5481	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-33K	1	415473334T	
R5482	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-33K	1	415473334T	
R5483	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-33K	1	415473334T	
R5501	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5502	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5503	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5521	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5522	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5523	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T	
R5781	CHIP TYPE CARBON RESISTOR	RN72K1J-103FE	1	435031032R1	NSP
R5782	CHIP TYPE CARBON RESISTOR	RN72K1J-103FE	1	435031032R1	NSP
R5783	CHIP TYPE CARBON RESISTOR	RN72K1J-123FE	1	435031232R1	NSP
R6	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R6401	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T	
R6402	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T	
R6403	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-56K	1	415475634T	
R6421	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R6422	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R6423	CHIP TYPE CARBON RESISTOR	RN72K1J-182JE	1	435031824R1	NSP
R7	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R7503	CHIP TYPE CARBON RESISTOR	RN72K1J-181JE	1	435031814R1	NSP
R7504	CHIP TYPE CARBON RESISTOR	RN72K1J-181JE	1	435031814R1	NSP
R7505	CHIP TYPE CARBON RESISTOR	RN72K1J-181JE	1	435031814R1	NSP
R7506	CHIP TYPE CARBON RESISTOR	RN72K1J-181JE	1	435031814R1	NSP
R7507	CHIP TYPE CARBON RESISTOR	RN72K1J-181JE	1	435031814R1	NSP
R7508	CHIP TYPE CARBON RESISTOR	RN72K1J-181JE	1	435031814R1	NSP
R7515	CHIP TYPE CARBON RESISTOR	RN72K1J-393JE	1	435033934R1	NSP
R7601	CHIP TYPE CARBON RESISTOR	RN72K1J-271JE	1	435032714R1	NSP
R7602	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R7603	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1	NSP
R7604	CHIP TYPE CARBON RESISTOR	RN72K1J-561JE	1	435035614R1	NSP
R7605	CHIP TYPE CARBON RESISTOR	RN72K1J-821JE	1	435038214R1	NSP
R7606	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	NSP
R7607	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R7608	CHIP TYPE CARBON RESISTOR	RN72K1J-392JE	1	435033924R1	NSP
R7609	CHIP TYPE CARBON RESISTOR	RN72K1J-123JE	1	435031234R1	NSP
R7611	CHIP TYPE CARBON RESISTOR	RN72K1J-271JE	1	435032714R1	NSP
R7612	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R7613	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1	NSP
R7614	CHIP TYPE CARBON RESISTOR	RN72K1J-561JE	1	435035614R1	NSP
R7615	CHIP TYPE CARBON RESISTOR	RN72K1J-821JE	1	435038214R1	NSP
R7616	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	NSP
R7617	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R7618	CHIP TYPE CARBON RESISTOR	RN72K1J-392JE	1	435033924R1	NSP
R7619	CHIP TYPE CARBON RESISTOR	RN72K1J-123JE	1	435031234R1	NSP
R7621	CHIP TYPE CARBON RESISTOR	RN72K1J-271JE	1	435032714R1	NSP
R7622	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1	NSP
R7623	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1	NSP
R7624	CHIP TYPE CARBON RESISTOR	RN72K1J-561JE	1	435035614R1	NSP
R7625	CHIP TYPE CARBON RESISTOR	RN72K1J-821JE	1	435038214R1	NSP
R7626	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1	NSP
R7627	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1	NSP
R7628	CHIP TYPE CARBON RESISTOR	RN72K1J-392JE	1	435033924R1	NSP
R7629	CHIP TYPE CARBON RESISTOR	RN72K1J-123JE	1	435031234R1	NSP

R7631	CHIP TYPE CARBON RESISTOR	RN72K1J-271JE	1	435032714R1		NSP
R7632	CHIP TYPE CARBON RESISTOR	RN72K1J-331JE	1	435033314R1		NSP
R7633	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1		NSP
R7634	CHIP TYPE CARBON RESISTOR	RN72K1J-561JE	1	435035614R1		NSP
R7635	CHIP TYPE CARBON RESISTOR	RN72K1J-821JE	1	435038214R1		NSP
R7636	CHIP TYPE CARBON RESISTOR	RN72K1J-122JE	1	435031224R1		NSP
R7637	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1		NSP
R7638	CHIP TYPE CARBON RESISTOR	RN72K1J-392JE	1	435033924R1		NSP
R7750	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1		NSP
R7751	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1		NSP
R7770	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1		NSP
R7771	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1		NSP
R7772	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1		NSP
R7773	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1		NSP
R7780	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1		NSP
R7781	CHIP TYPE CARBON RESISTOR	RN72K1J-222JE	1	435032224R1		NSP
R7835	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R7850	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1		NSP
R7851	CHIP TYPE CARBON RESISTOR	RN72K1J-472JE	1	435034724R1		NSP
R7852	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1		NSP
R7854	CHIP TYPE CARBON RESISTOR	RN72K1J-102JE	1	435031024R1		NSP
R7856	CHIP TYPE CARBON RESISTOR	RN72K1J-471JE	1	435034714R1		NSP
R7857	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1		NSP
R7858	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1		NSP
R7859	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1		NSP
R7880	METAL OXIDE FILM RESISTOR	RS1/2WBJ-330	1	443523314T		
R7881	METAL OXIDE FILM RESISTOR	RS1/2WBJ-330	1	443523314T		
R7900	METAL RESISTOR	RNU1/2WCJ-8.2	1	453530824T		
R7901	CHIP TYPE CARBON RESISTOR	RN72K1J-272JE	1	435032724R1		NSP
R7902	CHIP TYPE CARBON RESISTOR	RN72K1J-272JE	1	435032724R1		NSP
R7903	CHIP TYPE CARBON RESISTOR	RN72K1J-047JE	1	435030474R1		NSP
R7904	CHIP TYPE CARBON RESISTOR	RN72K1J-333JE	1	435033334R1		NSP
R7905	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1		NSP
R7906	CHIP TYPE CARBON RESISTOR	RN72K1J-473JE	1	435034734R1		NSP
R7907	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1		NSP
R7908	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1		NSP
R7909	CHIP TYPE CARBON RESISTOR	RN72K1J-224JE	1	435032244R1		NSP
R7910	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-10	1	415471004T		
R7911	CHIP TYPE CARBON RESISTOR	RN72K1J-393JE	1	435033934R1		NSP
R7912	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1		NSP
R7913	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1		NSP
R7914	NON-FLAMMABLE CARBON FILM RESISTOR	R25J-47	1	415474704T		
R7916	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1		NSP
R7917	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1		NSP
R7918	CHIP TYPE CARBON RESISTOR	RN72K1J-393JE	1	435033934R1		NSP
R7919	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1		NSP
R7920	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1		NSP
R7921	CHIP TYPE CARBON RESISTOR	RN72K1J-221JE	1	435032214R1		NSP
R7922	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1		NSP
R7923	CHIP TYPE CARBON RESISTOR	RN72K1J-332JE	1	435033324R1		NSP
R7924	CHIP TYPE CARBON RESISTOR	RN72K1J-000JE	1	435030004R1		NSP
R8	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1		NSP
R9	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1		NSP
R9011	METAL OXIDE FILM RESISTOR	RS1/2WBJ-100	1	443521014T		
R9012	METAL OXIDE FILM RESISTOR	RS1/2WBJ-150	1	443521514T		
R9013	CHIP TYPE CARBON RESISTOR	RN72K1J-101JE	1	435031014R1		NSP
R9022	CHIP TYPE CARBON RESISTOR	RN72K1J-823JE	1	435038234R1		NSP
R9034	CHIP TYPE CARBON RESISTOR	RN72K1J-104JE	1	435031044R1		NSP
R9035	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1		NSP
R9101	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1		NSP
R9102	CHIP TYPE CARBON RESISTOR	RN72K1J-103JE	1	435031034R1		NSP
R9103	METAL RESISTOR	RNU1/2WCJ-2.2	1	453530224T		

[Switches,Terminals,Wires]

F9001C	FUSE HOLDER	NSCT-1P2031	1	25052133T	!	NSP
F9001D	FUSE HOLDER	NSCT-1P2031	1	25052133T	!	NSP
F9101	FUSE	T4A-SEUL-T250V	1	252392T	!	
P010	PRINTED WIRING BOARD	BCDIS-2672	1	25142672		NSP
P010A	PRINTED WIRING BOARD	BCDIS-2672	{1}	25142672		NSP
P010B	PRINTED WIRING BOARD	BCCLA-2673	{1}	25142673	**N**	NSP
P010C	PRINTED WIRING BOARD	BCPS-2674	{1}	25142674	**N**	NSP
P010G	PRINTED WIRING BOARD	BCRF-2678	{1}	25142678	**N**	NSP

P010H	PRINTED WIRING BOARD	BCETC-2679	{1}	25142679	N	NSP
P010I	PRINTED WIRING BOARD	BCETC-2680	{1}	25142680	N	NSP
P010J	PRINTED WIRING BOARD	BCETC-2733	{1}	25142733	N	NSP
P1	TERMINAL	NTM-1PDSC437	1	25060515	!	NSP
P101A	SOCKET	NSCT-7P2100	1	25052203	!	NSP
P2	TERMINAL	NTM-2PDML439	1	25060517	!	
P2802	WIRE HARNESS ASSEMBLY	NSAS-7P2128	1	2009991317UL	!	NSP
P2802A	WIRE HOL	CHD-1.5-7	1	25053537	!	NSP
P5509B	RETAINER	(CLA-L)	1	27142312		NSP
P6001A	SOCKET	NSCT-9P2189	1	25052292	!	NSP
P6002A	SOCKET	NSCT-9P2189	1	25052292	!	NSP
P6003A	SOCKET	NSCT-9P2189	1	25052292	!	NSP
P7001B	SOCKET	NSCT-29P2447	1	25052550	!	NSP
P7550	RETAINER	(GND)	1	27142222A		NSP
P7850	ST JACK	MSJ-035-05C B AG SR type	1	25045879	!	
P7880A	PLUG	NPLG-5P220	1	25055236	!	NSP
P7881	ST JACK	MSJ-064-05A SR	1	25045783	!	
P7882	TRM(SCREW)	TER21-0130V	1	25060533		NSP
P7900	PLUG	NPLG-5P220	1	25055236	!	NSP
P9001A	PLUG	NPLG-2P631	1	25055675	!	NSP
P9002	PLUG	NPLG-2P631	1	25055675	!	NSP
P9021	TRM-423(SCREW)	NEJITANSI ST3	1	25060495		NSP
P9022	TRM-423(SCREW)	NEJITANSI ST3	1	25060495		NSP
P9101	PLUG	NPLG-3P117	1	25055133	!	NSP
RL9001	RELAY	NRL-1P10A-DC9-188	1	25065693	!	
S7601	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7602	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7606	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7607	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7608	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7609	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7610	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7611	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7612	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7613	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7614	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7616	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7617	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7619	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7620	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7621	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7622	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7623	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7624	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7625	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7626	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7627	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7630	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7631	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7632	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7633	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7634	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7635	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7636	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7637	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7638	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7639	PUSH SWITCH	NPS-111-S681	1	25035718T	!	
S7700	ROTARY ENCODER	XREB12504PVB30FINB1-2-24E/I	1	25065729		

<Note>

1. Parts marked by "**NSP**" are generally unavailable because they are not in our Master Spare Parts List.
2. The ! mark found on some component parts indicates the importance of the safety factor of the part.
Therefore, when replacing, be sure to use parts of identical designation.

▨ : NSP

REF. NO.	PART NAME	DESCRIPTION	Q'TY	PART NO. (PN)		REMARKS
[Semi-conductors]						
D7001	CHIP TYPE DIODE	DA2J10100	1	223303R2		NSP

D7001or	CHIP TYPE DIODE	1SS352	(1)	223234R2	NSP
D7002	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D7002or	CHIP TYPE DIODE	1SS352	(1)	223234R2	NSP
D7003	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D7003or	CHIP TYPE DIODE	1SS352	(1)	223234R2	NSP
D7004	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D7004or	CHIP TYPE DIODE	1SS352	(1)	223234R2	NSP
D7009	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D7009or	CHIP TYPE DIODE	1SS352	(1)	223234R2	NSP
D7012	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D7012or	CHIP TYPE DIODE	1SS352	(1)	223234R2	NSP
D7014	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D7014or	CHIP TYPE DIODE	1SS352	(1)	223234R2	NSP
D7017	ESD	IMSA-6803-01Y900	1	4000295R1	
D8151	DIODE	CUS357	1	223320R2	NSP
D8701	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D8701or	CHIP TYPE DIODE	1SS352	(1)	223234R2	NSP
D8906	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D8906or	CHIP TYPE DIODE	1SS352	(1)	223234R2	NSP
D8907	CHIP TYPE DIODE	DA2J10100	1	223303R2	NSP
D8907or	CHIP TYPE DIODE	1SS352	(1)	223234R2	NSP
D8951	DIODE	CUS357	1	223320R2	NSP
D8963	DIODE	RBR3MM30ATR	1	22380401R2	NSP
Q1000	HYBRID IC	TLV74333PDBVR	1	22243335R2	NSP
Q1001	HYBRID IC	TC7WH157FK	1	22241836R2	NSP
Q1004	HYBRID IC	AK4438VN	1	22243246R2	NSP
Q1005	HYBRID IC	PCM9211PTR	1	22242703R2	NSP
Q1007	HYBRID IC	74VHC4040FT	1	22274040E1R2TO	NSP
Q1090	HYBRID IC	MM3464A50NRE	1	22243073R2	NSP
Q1091	HYBRID IC	TLV74333PDBVR	1	22243335R2	NSP
Q1092	HYBRID IC	NJM4580CG	1	22242922R2	NSP
Q3111	HYBRID IC	TLV75733PDRVR	1	22243377R2	
Q3121	HYBRID IC	FP6861C-E1AS5CTR	1	22243273R2	NSP
Q3401	HYBRID IC	GD25Q64CSIGR	1	222W0188R2	
Q3401or	HYBRID IC	IS25LP064A-JBLE	(1)	222W0160R2	NSP
Q3403	HYBRID IC	TC7SZU04FU	1	22242512R2TO	NSP
Q3404	HYBRID IC	CS49844A-CQZ	1	22242926R3	NSP
Q3406	HYBRID IC	M12L64164A-7TG2Y	1	22242951R3	NSP
Q3406or	HYBRID IC	A3V64S40GTP-60	(1)	22242976R2	NSP
Q3410	TRANSISTOR	KRC402E	1	2218330R2	NSP
Q3410or	TRANSISTOR	DTC014EEBTL	(1)	2218690R2	NSP
Q7002	TRANSISTOR	KRA302E	1	2218360R2	NSP
Q7002or	TRANSISTOR	DTA014EEBTL	(1)	2218680R2	NSP
Q7004	TRANSISTOR	KRA302E	1	2218360R2	NSP
Q7004or	TRANSISTOR	DTA014EEBTL	(1)	2218680R2	NSP
Q7005	TRANSISTOR	KRC404E	1	2216450R2	NSP
Q7005or	TRANSISTOR	DTC044EEBTL	(1)	2218700R2	NSP
Q7006	TRANSISTOR	KRC404E	1	2216450R2	NSP
Q7006or	TRANSISTOR	DTC044EEBTL	(1)	2218700R2	NSP
Q7009	HYBRID IC	R5F5651CDDFB	1	222W0183R3	NSP
Q7013	HYBRID IC	TC7WBL3305CFK	1	22242965R2	NSP
Q7016	TRANSISTOR	2SC2712-GR	1	2213145R2	
Q7017	TRANSISTOR	KRC402E	1	2218330R2	NSP
Q7017or	TRANSISTOR	DTC014EEBTL	(1)	2218690R2	NSP
Q7018	HYBRID IC	TLV74333PDBVR	1	22243335R2	NSP
Q7020	HYBRID IC	PST894A270UR	1	22243198R2	NSP
Q7027	HYBRID IC	TLV74333PDBVR	1	22243335R2	NSP
Q7028	TRANSISTOR	KRA302E	1	2218360R2	NSP
Q7028or	TRANSISTOR	DTA014EEBTL	(1)	2218680R2	NSP
Q7029	TRANSISTOR	KRC404E	1	2216450R2	NSP
Q7029or	TRANSISTOR	DTC044EEBTL	(1)	2218700R2	NSP
Q781	BT MODULE	JS-BTMA2F76S-3	1	24150146R3	NSP
Q8000	HYBRID IC	MN864788A	1	22242930R3	NSP
Q8051	TRANSISTOR	KRC404E	1	2216450R2	NSP
Q8051or	TRANSISTOR	DTC044EEBTL	(1)	2218700R2	NSP
Q8052	TRANSISTOR	2SA1162-GR	1	2214375R2	NSP
Q8101	HYBRID IC	GD25Q127CSIGR	1	222W0190R2	
Q8101or	HYBRID IC	EN25QH128A-104HIP2T	(1)	222W0189R2	
Q8115	HYBRID IC	74LCX125FT	1	22274125BR2TO	NSP
Q8151	HYBRID IC	MM3464A50NRE	1	22243073R2	NSP
Q8701	HYBRID IC	R5F56519ADFP	1	222W0184R3	NSP
Q8702	TRANSISTOR	KRC402E	1	2218330R2	NSP
Q8702or	TRANSISTOR	DTC014EEBTL	(1)	2218690R2	NSP

Q8704	TRANSISTOR	KRA302E	1	2218360R2		NSP
Q8704or	TRANSISTOR	DTA014EEBTL	(1)	2218680R2		NSP
Q8705	TRANSISTOR	KRC402E	1	2218330R2		NSP
Q8705or	TRANSISTOR	DTC014EEBTL	(1)	2218690R2		NSP
Q8709	TRANSISTOR	KRC402E	1	2218330R2		NSP
Q8709or	TRANSISTOR	DTC014EEBTL	(1)	2218690R2		NSP
Q8710	TRANSISTOR	KRC402E	1	2218330R2		NSP
Q8710or	TRANSISTOR	DTC014EEBTL	(1)	2218690R2		NSP
Q8712	TRANSISTOR	KRC402E	1	2218330R2		NSP
Q8712or	TRANSISTOR	DTC014EEBTL	(1)	2218690R2		NSP
Q8713	TRANSISTOR	KRC402E	1	2218330R2		NSP
Q8713or	TRANSISTOR	DTC014EEBTL	(1)	2218690R2		NSP
Q8725	TRANSISTOR	KRC402E	1	2218330R2		NSP
Q8725or	TRANSISTOR	DTC014EEBTL	(1)	2218690R2		NSP
Q8727	TRANSISTOR	KRC402E	1	2218330R2		NSP
Q8727or	TRANSISTOR	DTC014EEBTL	(1)	2218690R2		NSP
Q8729	TRANSISTOR	KRC402E	1	2218330R2		NSP
Q8729or	TRANSISTOR	DTC014EEBTL	(1)	2218690R2		NSP
Q8931	HYBRID IC	FR9888CSPCTR	1	22242839R2		NSP
Q8941	HYBRID IC	FR9888CSPCTR	1	22242839R2		NSP
Q8951	HYBRID IC	FR9888CSPCTR	1	22242839R2		NSP
Q8961	HYBRID IC	FR9889SPCTR	1	22243033R2		NSP

[Transformers,Coils]

L1006	CORE	BK1005LL241-T	1	2350032R1		NSP
L1007	CORE	BK1005LL241-T	1	2350032R1		NSP
L1009	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	!	NSP
L1010	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	!	NSP
L1011	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	!	NSP
L1012	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	!	NSP
L1013	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	!	NSP
L1014	CHOKE COIL	LBC2518T4R7M	1	231364M047R2	!	NSP
L3102	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L3401	CORE	BLM15PX181SN1D	1	2350033R1		NSP
L3403	CORE	BK1005LL241-T	1	2350032R1		NSP
L3405	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L3406	CORE	BLM15PX330SN1D	1	2350043R1		NSP
L3407	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L3408	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L3409	CORE	BLM15PX181SN1D	1	2350033R1		NSP
L3411	CORE	BK1005LL241-T	1	2350032R1		NSP
L7003	CORE	BLM15PX181SN1D	1	2350033R1		NSP
L7007	CORE	BLM15PX181SN1D	1	2350033R1		NSP
L780	CORE	BLM15PX181SN1D	1	2350033R1		NSP
L782	CORE	BLM15PX181SN1D	1	2350033R1		NSP
L8000	CORE	BK1005LL241-T	1	2350032R1		NSP
L8001	CORE	EXC24CH900U	1	2350039R2		NSP
L8002	CORE	EXC24CH900U	1	2350039R2		NSP
L8003	CORE	EXC24CH900U	1	2350039R2		NSP
L8004	CORE	EXC24CH900U	1	2350039R2		NSP
L8006	CORE	BK1005LL241-T	1	2350032R1		NSP
L8151	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8152	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8153	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8154	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8155	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8156	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8160	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8161	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8162	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8163	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8164	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8165	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8166	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8167	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8168	CORE	BLM15PX121SN1D	1	2350034R1		NSP
L8702	CORE	BLM15PX181SN1D	1	2350033R1		NSP
L8931	CHOKE COIL	BLM21PG221SN1	1	230949R2		NSP
L8932	CHOKE COIL	1255AS-100M	1	231482M100R2	!	NSP
L8941	CHOKE COIL	BLM21PG221SN1	1	230949R2		NSP
L8942	CHOKE COIL	1255AS-100M	1	231482M100R2	!	NSP
L8943	CHOKE COIL	BLM21PG221SN1	1	230949R2		NSP

L8944	CHOKE COIL	BLM21PG221SN1	1	230949R2		NSP
L8951	CHOKE COIL	BLM21PG221SN1	1	230949R2		NSP
L8952	CHOKE COIL	1255AS-100M	1	231482M100R2	!	NSP
L8953	CHOKE COIL	BLM21PG221SN1	1	230949R2		NSP
L8954	CHOKE COIL	BLM21PG221SN1	1	230949R2		NSP
L8961	CHOKE COIL	BLM21PG221SN1	1	230949R2		NSP
L8962	CHOKE COIL	1255AS-100M	1	231482M100R2	!	NSP
L8965	CORE	MCF12102G900-T	1	2350041R2		NSP

[Capacitors]						
C1000	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1		NSP
C1001	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1		NSP
C1002	CHIP ELECT C	CECS16V-100M	1	398641017R2		NSP
C1002or	CHIP ELECT C	CEWX16V-100M	(1)	398141017R2		NSP
C1002or	CHIP ELECT C	CE32W16V-100M (SGN)	(1)	398941017R2		
C1004	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C1005	CHIP ELECT C	CECS16V-100M	1	398641017R2		NSP
C1005or	CHIP ELECT C	CEWX16V-100M	(1)	398141017R2		NSP
C1005or	CHIP ELECT C	CE32W16V-100M (SGN)	(1)	398941017R2		
C1012	CHIP ELECT C	CECS4V-220M	1	3986G2217R2		NSP
C1012or	CHIP ELECT C	CEWX4V-220M	(1)	3981G2217R2		NSP
C1012or	CHIP ELECT C	CE32W4V-220M (SGN)	(1)	3989G2217R2		
C1013	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C1014	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C1016	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C1017	CHIP ELECT C	CECS16V-100M	1	398641017R2		NSP
C1017or	CHIP ELECT C	CEWX16V-100M	(1)	398141017R2		NSP
C1017or	CHIP ELECT C	CE32W16V-100M (SGN)	(1)	398941017R2		
C1018	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C1020	CHIP ELECT C	CECS4V-220M	1	3986G2217R2		NSP
C1020or	CHIP ELECT C	CEWX4V-220M	(1)	3981G2217R2		NSP
C1020or	CHIP ELECT C	CE32W4V-220M (SGN)	(1)	3989G2217R2		
C1021	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-472K0	1	332034725R1		NSP
C1022	CHIP ELECT C	CEWX16V-47M	1	398144707R2		NSP
C1022or	CHIP ELECT C	CE32W16V-47M (SGN)	(1)	398944707R2		
C1022or	CHIP ELECT C	CECS16V-47M	(1)	398644707R2		NSP
C1023	CHIP ELECT C	CEWX16V-47M	1	398144707R2		NSP
C1023or	CHIP ELECT C	CE32W16V-47M (SGN)	(1)	398944707R2		
C1023or	CHIP ELECT C	CECS16V-47M	(1)	398644707R2		NSP
C1025	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-223K0	1	332032235R1		NSP
C1026	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-473K0	1	332024735R1		NSP
C1027	CHIP ELECT C	CEWX16V-47M	1	398144707R2		NSP
C1027or	CHIP ELECT C	CE32W16V-47M (SGN)	(1)	398944707R2		
C1027or	CHIP ELECT C	CECS16V-47M	(1)	398644707R2		NSP
C1032	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-225K1	1	332132255R1		NSP
C1038	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-331J0	1	342033314R1		NSP
C1068	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C1069	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C1074	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C1075	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C1079	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C1090	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1		NSP
C1092	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1		NSP
C1093	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1		NSP
C1094	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1		NSP
C1095	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J0	1	342032214R1		NSP
C1096	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J0	1	342032214R1		NSP
C1097	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J0	1	342032214R1		NSP
C1098	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-221J0	1	342032214R1		NSP
C1099	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C1100	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C3101	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1		NSP
C3102	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1		NSP
C3103	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2		NSP
C3104	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1		NSP
C3105	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1		NSP
C3111	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2		NSP
C3112	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2		NSP
C3117	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1		NSP
C3166	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1		NSP
C3325	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1		NSP
C3401	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-331J0	1	342033314R1		NSP

C3402	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3403	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3404	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3405	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3406	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C3407	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3408	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C3410	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3411	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3412	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3413	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-120J0	1	342031204R1	NSP
C3414	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-120J0	1	342031204R1	NSP
C3415	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3416	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3418	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3419	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3420	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3422	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3423	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3425	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3426	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C3427	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3428	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	NSP
C3429	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	NSP
C3431	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C3432	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C3433	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3434	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C3435	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C3436	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C3437	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3438	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3439	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3440	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3441	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3442	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C3443	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C3444	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C3445	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C3446	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C3457	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3458	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3459	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C3462	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C3472	CHIP ELECT C	CECS4V-220M	1	3986G2217R2	NSP
C3472or	CHIP ELECT C	CEWX4V-220M	(1)	3981G2217R2	NSP
C3472or	CHIP ELECT C	CE32W4V-220M (SGN)	(1)	3989G2217R2	
C7000	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C7001	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C7002	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C7003	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7004	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C7005	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7008	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7009	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C7012	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7013	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C7014	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7015	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7017	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7018	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7019	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7020	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-224K0	1	332002245R1	NSP
C7030	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C7031	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C7032	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7036	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7038	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C7039	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C7040	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C7052	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C7062	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C7075	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-153K0	1	332021535R1	NSP

C7076	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7077	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J0	1	342031014R1	NSP
C7180	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C7181	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C7182	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C7183	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C7184	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C7187	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7188	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7189	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7190	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7191	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7195	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-180J0	1	342031804R1	NSP
C7196	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-180J0	1	342031804R1	NSP
C7197	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7198	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C7199	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7200	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C7201	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C786	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C787	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	NSP
C790	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C791	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	NSP
C795	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C8001	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C8002	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C8003	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C8004	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C8005	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C8010	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C8011	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8012	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8013	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8014	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8015	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8016	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8017	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8018	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8019	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8020	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8021	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8022	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8023	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8024	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8025	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8026	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8027	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8030	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8031	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8032	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8033	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8034	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8035	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8036	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8038	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8041	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8042	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8043	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8044	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8045	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8046	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8047	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8048	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8049	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8050	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8051	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8052	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8053	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8054	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8056	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8058	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8061	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8062	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP

C8071	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8091	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8092	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8093	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8094	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-101J0	1	342031014R1	NSP
C8095	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-120J0	1	342031204R1	NSP
C8096	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-120J0	1	342031204R1	NSP
C8102	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8153	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8154	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8156	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8157	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C8158	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C8163	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C8164	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C8165	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C8611	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C8612	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C8621	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C8622	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C8631	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C8632	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C8641	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C8642	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-102K0	1	332031025R1	NSP
C8700	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8701	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8702	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8703	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8704	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8705	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-105K0	1	332001055R1	NSP
C8706	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8707	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8709	CHIP TYPE CERAMIC CAPACITOR	CK732B16V-106K	1	332071065R2	NSP
C8710	CHIP ELECT C	CECS16V-100M	1	398641017R2	NSP
C8710or	CHIP ELECT C	CEWX16V-100M	(1)	398141017R2	NSP
C8710or	CHIP ELECT C	CE32W16V-100M (SGN)	(1)	398941017R2	
C8715	CHIP TYPE CERAMIC CAPACITOR	CK725B1A-224K0	1	332002245R1	NSP
C8799	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8902	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2	NSP
C8903	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2	NSP
C8915	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8916	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8918	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8919	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8931	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	NSP
C8932	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8933	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2	NSP
C8934	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2	NSP
C8935	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	NSP
C8936	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8937	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8941	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	NSP
C8942	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8943	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2	NSP
C8944	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2	NSP
C8945	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	NSP
C8946	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8947	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8951	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	NSP
C8952	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8953	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2	NSP
C8954	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2	NSP
C8955	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	NSP
C8956	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8957	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8961	CHIP TYPE CERAMIC CAPACITOR	CK725B1H-103K0	1	332031035R1	NSP
C8962	CHIP TYPE CERAMIC CAPACITOR	CK725B1C-104K0	1	332011045R1	NSP
C8963	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2	NSP
C8964	CHIP TYPE CERAMIC CAPACITOR	CK725B1E-106K	1	332221065R2	NSP
C8965	CERAMIC CAPACITOR	CC725CH1H-102J0	1	342031024R1	NSP
C8966	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8967	CHIP TYPE CERAMIC CAPACITOR	CK725B0J-226M	1	332092267R2	NSP
C8988	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-180J0	1	342031804R1	NSP

C8989	CHIP TYPE CERAMIC CAPACITOR	CC725CH1H-180J0	1	342031804R1	NSP
X3401	CRYSTAL	7V24580019	1	3010576R2	NSP
X7002	CRYSTAL	7V24080062	1	3010575R2	NSP
X8031	CRYSTAL	7V27080047	1	3010579R2	NSP
X8702	CRYSTAL	7V24080062	1	3010575R2	NSP

[Resistors]

R1000	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1001	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1002	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1003	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1004	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1005	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1010	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1011	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R1012	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R1013	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R1014	C-METAL R	RN72K1J-151JE0	1	435011514R1	NSP
R1015	C-METAL R	RN72K1J-151JE0	1	435011514R1	NSP
R1016	C-METAL R	RN72K1J-151JE0	1	435011514R1	NSP
R1017	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R1019	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R1022	C-METAL R	RN72K1J-151JE0	1	435011514R1	NSP
R1023	C-METAL R	RN72K1J-151JE0	1	435011514R1	NSP
R1024	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1025	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1026	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1027	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1028	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1031	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1032	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1035	C-METAL R	RN72K1J-331JE0	1	435013314R1	NSP
R1037	C-METAL R	RN72K1J-331JE0	1	435013314R1	NSP
R1039	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R1041	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1042	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1044	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1046	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R1047	C-METAL R	RN72K1J-681JE0	1	435016814R1	NSP
R1050	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1054	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1056	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R1057	C-METAL R	RN72K1J-681JE0	1	435016814R1	NSP
R1058	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R1060	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R1076	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R1077	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R1081	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1085	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1115	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R1138	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R1139	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R1141	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R1143	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1144	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1145	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1146	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1147	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1148	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1149	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1150	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R1151	C-METAL R	RN72K1J-101JE0	1	435011014R1	NSP
R1152	C-METAL R	RN72K1J-101JE0	1	435011014R1	NSP
R3117	C-METAL R	RN72K1J-391JE0	1	435013914R1	NSP
R3238	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R3400	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R3401	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3403	C-METAL R	RN72K1J-101JE0	1	435011014R1	NSP
R3404	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3405	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3406	C-METAL R	RN72K1J-332JE0	1	435013324R1	NSP
R3407	C-METAL R	RN72K1J-222JE0	1	435012224R1	NSP

R3408	CHIP RESISTOR NETWORK	MNR04MRAPJ221	1	43464722104R2	NSP
R3408or	CHIP RESISTOR NETWORK	YCN104-221-JK	(1)	43464C22104R1	NSP
R3408or	CHIP RESISTOR NETWORK	CN24JT221	(1)	43474E22104R1	
R3409	CHIP RESISTOR NETWORK	MNR04MRAPJ221	1	43464722104R2	NSP
R3409or	CHIP RESISTOR NETWORK	YCN104-221-JK	(1)	43464C22104R1	NSP
R3409or	CHIP RESISTOR NETWORK	CN24JT221	(1)	43474E22104R1	
R3410	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3411	CHIP RESISTOR NETWORK	RM7LJ000X04	1	43484700004R2	NSP
R3411or	CHIP RESISTOR NETWORK	YCN104-000-ZK	(1)	43484C00004R1	NSP
R3411or	CHIP RESISTOR NETWORK	CN24JT000	(1)	43474E00004R1	
R3412	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R3413	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3414	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R3415	CHIP RESISTOR NETWORK	RM7LJ000X04	1	43484700004R2	NSP
R3415or	CHIP RESISTOR NETWORK	YCN104-000-ZK	(1)	43484C00004R1	NSP
R3415or	CHIP RESISTOR NETWORK	CN24JT000	(1)	43474E00004R1	
R3416	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3417	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3419	CHIP RESISTOR NETWORK	MNR04MRAPJ102	1	43464710204R2	NSP
R3419or	CHIP RESISTOR NETWORK	YCN104-102-JK	(1)	43464C10204R1	NSP
R3419or	CHIP RESISTOR NETWORK	CN24JT102	(1)	43474E10204R1	
R3421	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3424	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3425	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3428	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R3429	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP
R3429or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R3429or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R3430	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP
R3430or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R3430or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R3433	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R3434	C-METAL R	RN72K1J-332JE0	1	435013324R1	NSP
R3435	C-METAL R	RN72K1J-222JE0	1	435012224R1	NSP
R3436	C-METAL R	RN72K1J-220JE0	1	435012204R1	NSP
R3437	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3438	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3439	C-METAL R	RN72K1J-332JE0	1	435013324R1	NSP
R3440	C-METAL R	RN72K1J-332JE0	1	435013324R1	NSP
R3441	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP
R3441or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R3441or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R3442	C-METAL R	RN72K1J-105JE0	1	435011054R1	NSP
R3443	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R3444	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3445	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP
R3445or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R3445or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R3446	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R3447	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3448	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3450	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3452	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3453	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R3454	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3455	C-METAL R	RN72K1J-101JE0	1	435011014R1	NSP
R3456	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3457	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP
R3457or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R3457or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R3458	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3459	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3460	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3470	C-METAL R	RN72K1J-222JE0	1	435012224R1	NSP
R3471	C-METAL R	RN72K1J-222JE0	1	435012224R1	NSP
R3473	C-METAL R	RN72K1J-332JE0	1	435013324R1	NSP
R3476	C-METAL R	RN72K1J-332JE0	1	435013324R1	NSP
R3481	C-METAL R	RN72K1J-332JE0	1	435013324R1	NSP
R3484	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3485	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3488	C-METAL R	RN72K1J-332JE0	1	435013324R1	NSP
R3491	C-METAL R	RN72K1J-332JE0	1	435013324R1	NSP
R3494	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP

R3494or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R3494or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R3495	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP
R3495or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R3495or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R3496	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP
R3496or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R3496or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R3497	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP
R3497or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R3497or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R3500	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3501	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3502	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3503	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3504	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R3505	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7000	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R7001	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP
R7001or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R7001or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R7002	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7003	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R7004	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R7005	C-METAL R	RN72K1J-223JE0	1	435012234R1	NSP
R7006	C-METAL R	RN72K1J-223JE0	1	435012234R1	NSP
R7007	C-METAL R	RN72K1J-105JE0	1	435011054R1	NSP
R7008	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R7009	C-METAL R	RN72K1J-105JE0	1	435011054R1	NSP
R7013	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7014	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R7016	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R7017	CHIP RESISTOR NETWORK	MNR04MRAPJ472	1	43464747204R2	NSP
R7017or	CHIP RESISTOR NETWORK	YCN104-472-JK	(1)	43464C47204R1	NSP
R7017or	CHIP RESISTOR NETWORK	CN24JT472	(1)	43474E47204R1	
R7019	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7020	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7021	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP
R7021or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R7021or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R7023	C-METAL R	RN72K1J-105JE0	1	435011054R1	NSP
R7024	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7025	C-METAL R	RN72K1J-224JE0	1	435012244R1	NSP
R7026	C-METAL R	RN72K1J-224JE0	1	435012244R1	NSP
R7027	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7028	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7029	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7030	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7032	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7034	CHIP RESISTOR NETWORK	MNR04MRAPJ221	1	43464722104R2	NSP
R7034or	CHIP RESISTOR NETWORK	YCN104-221-JK	(1)	43464C22104R1	NSP
R7034or	CHIP RESISTOR NETWORK	CN24JT221	(1)	43474E22104R1	
R7035	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7036	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R7038	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R7039	C-METAL R	RN72K1J-222JE0	1	435012224R1	NSP
R7041	C-METAL R	RN72K1J-222JE0	1	435012224R1	NSP
R7044	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7046	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7048	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7049	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7051	C-METAL R	RN72K1J-105JE0	1	435011054R1	NSP
R7052	C-METAL R	RN72K1J-223JE0	1	435012234R1	NSP
R7053	C-METAL R	RN72K1J-105JE0	1	435011054R1	NSP
R7054	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R7055	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R7057	C-METAL R	RN72K1J-105JE0	1	435011054R1	NSP
R7059	C-METAL R	RN72K1J-224JE0	1	435012244R1	NSP
R7071	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R7072	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7073	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R7074	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7075	CHIP RESISTOR NETWORK	MNR04MRAPJ470	1	43464747004R2	NSP

R7075or	CHIP RESISTOR NETWORK	YCN104-470-JK	(1)	43464C47004R1	NSP
R7075or	CHIP RESISTOR NETWORK	CN24JT470	(1)	43474E47004R1	
R7076	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7077	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R7078	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R7080	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7082	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7083	C-METAL R	RN72K1J-332JE0	1	435013324R1	NSP
R7084	C-METAL R	RN72K1J-331JE0	1	435013314R1	NSP
R7087	C-METAL R	RN72K1J-273JE0	1	435012734R1	NSP
R7093	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R7094	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R7103	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7110	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R7121	C-METAL R	RN72K1J-105JE0	1	435011054R1	NSP
R7122	C-METAL R	RN72K1J-105JE0	1	435011054R1	NSP
R7125	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R7132	C-METAL R	RN72K1J-331JE0	1	435013314R1	NSP
R7133	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7135	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R7136	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7137	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7140	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R7142	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7143	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7144	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7153	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R7180	C-METAL R	RN72K1J-272JE0	1	435012724R1	NSP
R7181	C-METAL R	RN72K1J-272JE0	1	435012724R1	NSP
R7182	C-METAL R	RN72K1J-272JE0	1	435012724R1	NSP
R7183	C-METAL R	RN72K1J-272JE0	1	435012724R1	NSP
R7184	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R7186	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7187	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7188	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7194	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R7195	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R7196	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7197	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7198	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7199	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R7200	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7201	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7202	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7203	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7208	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7209	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7210	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7211	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7212	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7213	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7214	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7215	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7216	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7218	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7220	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7221	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7222	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7226	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7227	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7228	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7229	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7230	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R7236	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7237	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7238	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7239	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7240	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7241	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7243	C-METAL R	RN72K1J-270JE0	1	435012704R1	NSP
R7244	C-METAL R	RN72K1J-270JE0	1	435012704R1	NSP
R7245	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7246	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP

R7257	C-METAL R	RN72K1J-105JE0	1	435011054R1	NSP
R7258	C-METAL R	RN72K1J-681JE0	1	435016814R1	NSP
R7265	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R7266	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R7270	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R7271	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R7272	C-METAL R	RN72K1J-222JE0	1	435012224R1	NSP
R7273	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7274	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R7277	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R784	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R785	C-METAL R	RN72K1J-220JE0	1	435012204R1	NSP
R786	C-METAL R	RN72K1J-220JE0	1	435012204R1	NSP
R787	C-METAL R	RN72K1J-101JE0	1	435011014R1	NSP
R788	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R794	C-METAL R	RN72K1J-474JE0	1	435014744R1	NSP
R798	C-METAL R	RN72K1J-274JE0	1	435012744R1	NSP
R8001	C-METAL R	RN72K1J-182JE0	1	435011824R1	NSP
R8002	C-METAL R	RN72K1J-182JE0	1	435011824R1	NSP
R8003	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8005	C-METAL R	RN72K1J-560JE0	1	435015604R1	NSP
R8006	C-METAL R	RN72K1J-560JE0	1	435015604R1	NSP
R8007	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R8009	C-METAL R	RN72K1J-103FE0	1	435011032R1	NSP
R8010	C-METAL R	RN72K1J-223FE0	1	435012232R1	NSP
R8015	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8018	C-METAL R	RN72K1J-222JE0	1	435012224R1	NSP
R8019	C-METAL R	RN72K1J-222JE0	1	435012224R1	NSP
R8030	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8031	CHIP RESISTOR NETWORK	MNR04MRAPJ103	1	43464710304R2	NSP
R8031or	CHIP RESISTOR NETWORK	YCN104-103-JK	(1)	43464C10304R1	NSP
R8031or	CHIP RESISTOR NETWORK	CN24JT103	(1)	43474E10304R1	
R8032	CHIP RESISTOR NETWORK	MNR04MRAPJ103	1	43464710304R2	NSP
R8032or	CHIP RESISTOR NETWORK	YCN104-103-JK	(1)	43464C10304R1	NSP
R8032or	CHIP RESISTOR NETWORK	CN24JT103	(1)	43474E10304R1	
R8033	C-METAL R	RN72K1J-104FE0	1	435011042R1	NSP
R8051	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8052	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8053	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R8060	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8061	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8062	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8063	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8064	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8065	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8066	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8071	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8072	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8073	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8074	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8075	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8076	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8077	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8078	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8079	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8080	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8081	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8082	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8083	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8084	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8085	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8086	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8087	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8088	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8089	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8090	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8093	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8094	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8095	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8096	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8097	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8098	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP
R8099	C-METAL R	RN72K1J-330JE0	1	435013304R1	NSP

R8101	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8103	C-METAL R	RN72K1J-272JE0	1	435012724R1	NSP
R8104	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8105	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8106	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R8107	C-METAL R	RN72K1J-100JE0	1	435011004R1	NSP
R8108	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8109	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8110	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R8111	C-METAL R	RN72K1J-221JE0	1	435012214R1	NSP
R8112	C-METAL R	RN72K1J-105JE0	1	435011054R1	NSP
R8113	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8114	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8131	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8132	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8133	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8134	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8135	C-METAL R	RN72K1J-220JE0	1	435012204R1	NSP
R8140	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8141	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8142	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8145	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8146	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8147	C-METAL R	RN72K1J-220JE0	1	435012204R1	NSP
R8148	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8149	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8150	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8151	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8152	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8153	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8154	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R8155	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R8156	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8157	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8158	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8159	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8160	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8234	C-METAL R	RN72K1J-104JE0	1	435011044R1	NSP
R8235	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8239	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8592	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8593	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8613	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8614	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8623	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8624	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8633	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8634	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8643	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8644	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8702	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8704	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8705	C-METAL R	RN72K1J-473JE0	1	435014734R1	NSP
R8706	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8707	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8709	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R8710	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R8711	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8712	C-METAL R	RN72K1J-470JE0	1	435014704R1	NSP
R8713	C-METAL R	RN72K1J-101JE0	1	435011014R1	NSP
R8714	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8717	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8720	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8721	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8723	C-METAL R	RN72K1J-472JE0	1	435014724R1	NSP
R8726	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8733	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8735	C-METAL R	RN72K1J-000JE0	1	435010004R1	NSP
R8736	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R8738	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8739	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP
R8740	C-METAL R	RN72K1J-103JE0	1	435011034R1	NSP
R8741	C-METAL R	RN72K1J-102JE0	1	435011024R1	NSP

R8742	C-METAL R	RN72K1J-103JE0	1	435011034R1		NSP
R8743	C-METAL R	RN72K1J-103JE0	1	435011034R1		NSP
R8744	C-METAL R	RN72K1J-470JE0	1	435014704R1		NSP
R8747	C-METAL R	RN72K1J-000JE0	1	435010004R1		NSP
R8748	C-METAL R	RN72K1J-470JE0	1	435014704R1		NSP
R8749	C-METAL R	RN72K1J-470JE0	1	435014704R1		NSP
R8750	C-METAL R	RN72K1J-470JE0	1	435014704R1		NSP
R8751	C-METAL R	RN72K1J-103JE0	1	435011034R1		NSP
R8754	C-METAL R	RN72K1J-104JE0	1	435011044R1		NSP
R8758	C-METAL R	RN72K1J-103JE0	1	435011034R1		NSP
R8759	C-METAL R	RN72K1J-470JE0	1	435014704R1		NSP
R8770	C-METAL R	RN72K1J-103JE0	1	435011034R1		NSP
R8774	C-METAL R	RN72K1J-472JE0	1	435014724R1		NSP
R8903	C-METAL R	RN72K1J-102JE0	1	435011024R1		NSP
R8904	C-METAL R	RN72K1J-103JE0	1	435011034R1		NSP
R8906	C-METAL R	RN72K1J-152JE0	1	435011524R1		NSP
R8921	C-METAL R	RN72K1J-000JE0	1	435010004R1		NSP
R8931	C-METAL R	RN72K1J-102JE0	1	435011024R1		NSP
R8932	C-METAL R	RN72K1J-104JE0	1	435011044R1		NSP
R8933	C-METAL R	RN72K1J-332JE0	1	435013324R1		NSP
R8934	C-METAL R	RN72K1J-272FE0	1	435012722R1		NSP
R8935	C-METAL R	RN72K1J-222FE0	1	435012222R1		NSP
R8936	C-METAL R	RN72K1J-103FE0	1	435011032R1		NSP
R8941	C-METAL R	RN72K1J-102JE0	1	435011024R1		NSP
R8942	C-METAL R	RN72K1J-104JE0	1	435011044R1		NSP
R8943	C-METAL R	RN72K1J-472JE0	1	435014724R1		NSP
R8944	C-METAL R	RN72K1J-332FE0	1	435013322R1		NSP
R8945	C-METAL R	RN72K1J-682FE0	1	435016822R1		NSP
R8946	C-METAL R	RN72K1J-103FE0	1	435011032R1		NSP
R8951	C-METAL R	RN72K1J-102JE0	1	435011024R1		NSP
R8952	C-METAL R	RN72K1J-104JE0	1	435011044R1		NSP
R8953	C-METAL R	RN72K1J-682JE0	1	435016824R1		NSP
R8954	C-METAL R	RN72K1J-333FE0	1	435013332R1		NSP
R8955	C-METAL R	RN72K1J-124FE0	1	435011242R1		NSP
R8956	C-METAL R	RN72K1J-103FE0	1	435011032R1		NSP
R8961	C-METAL R	RN72K1J-104JE0	1	435011044R1		NSP
R8962	C-METAL R	RN72K1J-000JE0	1	435010004R1		NSP
R8963	C-METAL R	RN72K1J-103FE0	1	435011032R1		NSP
R8964	C-METAL R	RN72K1J-563FE0	1	435015632R1		NSP
R8965	C-METAL R	RN72K1J-274FE0	1	435012742R1		NSP
R8966	C-METAL R	RN72K1J-103FE0	1	435011032R1		NSP
R8992	C-METAL R	RN72K1J-104JE0	1	435011044R1		NSP
R8993	C-METAL R	RN72K1J-103JE0	1	435011034R1		NSP
R8995	C-METAL R	RN72K1J-105JE0	1	435011054R1		NSP
R8996	C-METAL R	RN72K1J-681JE0	1	435016814R1		NSP
R8997	C-METAL R	RN72K1J-103JE0	1	435011034R1		NSP
R9003	C-METAL R	RN72K1J-103JE0	1	435011034R1		NSP

[Switches,Terminals,Wires]

P030	PRINTED WIRING BOARD	BCPRC-2695	1	25142695A		
P030A	PRINTED WIRING BOARD	BCPRC-2695	{1}	25142695A		
P030B	PRINTED WIRING BOARD	BCETC-2696	{1}	25142696	**N**	NSP
P2802B	PLUG	NPLG-7P920	1	25055967R2	**!**	NSP
P3100	SOCKET	UJA01SB4090-72R	1	25053533R2	**!**	NSP
P3610	SOCKET	NSCT-8P2471	1	25052574R2	**!**	NSP
P6800B	PLUG	NPLG-5P918	1	25055965R2	**!**	NSP
P7001A	SOCKET	29FMN-SMT-A-TF	1	25052846R2	**!**	NSP
P7002A	SOCKET	IMSA-9618S-17A	1	25053342R2	**!**	NSP
P7003A	SOCKET	25FMN-SMT-A-TF	1	25052842R2	**!**	NSP
P7051A	SOCKET	NSCT-9P2472	1	25052575R2	**!**	NSP
P780A	PLUG	NPLG-9P1106	1	25056167R2	**!**	NSP
P780B	PLUG	SM09B-SRSS-TB	1	25056386R2		NSP
P8001	SOCKET	51U019S-3HFDN-BD-SM	1	25053549R3	**!**	NSP
P8104	SOCKET	NSCT-8P2471	1	25052574R2	**!**	NSP
P8611	SOCKET	51U019S-3HFDN-BD-SM	1	25053549R3	**!**	NSP
P8621	SOCKET	51U019S-3HFDN-BD-SM	1	25053549R3	**!**	NSP
P8631	SOCKET	51U019S-3HFDN-BD-SM	1	25053549R3	**!**	NSP
P8641	SOCKET	51U019S-3HFDN-BD-SM	1	25053549R3	**!**	NSP
P8702	SOCKET	NSCT-9P2472	1	25052575R2	**!**	NSP
P8902	PLUG	NPLG-2P915	1	25055962R2	**!**	NSP